Clackamas Community College

Curriculum Committee Agenda

January 29, 2021 (8-9:30am)

	Presenter	Action
1. Welcome and Introductions	**Chair**	
2. Approval of Minutes	**Chair**	Approval

3. Consent Agenda
  a. Course Number Changes
  b. Course Title Change
  c. Reviewed Outlines for Approval
	Chair	Approval

4. Course and Program Approvals
  a. **Related Instruction**
    i. Computation: MTH-243, 244, 253, 256
    ii. Human Relations: COMM-218
    iii. PE/Health: HPE-295, PE-260
	Related Sub-Committee	Approval/21.SU

b. **Course Reactivations** i. FRP-236	**Jeff Ennenga**	Approval/21.SP
c. **Course Hours, Instructional Method, Credits Change** i. NRS-221, 221C, 222, 222C	**Carol Dodson Or Carol Thorn**	Approval/21.SU

d. **New Courses**
    i. ED-101
    ii. MTH-050S
	Laurette Scott
	Mark Yannotta
		Approval/21.SP
		Approval/21.SP

e. **Program Amendments**
    i. **Group 0: Nursing**
      a. Nursing (RN) AAS
	Carol Dodson Or Carol Thorn	Approval/21.SU

ii. **Group 1: Human Services**
      a. Gerontology CC
      b. Gerontology for Health Care Processionals CPCC
      c. Human Services Generalist AAS
      d. Human Services Generalist CC
	Megan Feagles (for Yvonne Smith)	Approval/21.SU

iii. **Group 2: ART/DMC Inactivations**
      a. AA Degree, Oregon Transfer
      b. Associate of General Studies
      c. AS, Oregon Transfer - Business
      d. AS, Oregon Transfer, Computer Science
      e. Oregon Transfer Module
      f. AS, Biological Engineering, OSU
      g. AS, Biology, OSU
      h. AS, Chemical Engineering, OSU
      i. AS, Civil Engineering, OSU
      j. AS, Construction Engineering Management, OSU
      k. AS, Ecological Engineering, OSU
      l. AS, Electrical Engineering, OSU
      m. AS, Energy Systems Engineering, OSU
      n. AS, Environmental Engineering, OSU
      o. AS, Industrial/Manufacturing Engineering, OSU
      p. AS, Mechanical Engineering, OSU
	Megan Feagles	Approval/21.SU

q. AS, Music, PSU
r. Digital Media Communications AAS
s. Music Performance & Technology AAS
   iv. **Group 3: OIT Engineering**
     a. AS, Electrical Engineering, OIT
     b. AS, Mechanical Engineering, OIT
     c. AS, Renewable Energy Engineering, OIT
   v. **Group 4: Horticulture**
     a. Horticulture CC
   vi. **Group 5: Web Design**
     a. Web Design & Development AAS
     b. Web Design CC
 f. **New Programs**
   a. AAT English Literature
 g. **EFA Changes**
   a. EFA, Teaching and Education
	Megan Feagles
	(for Eric Lee)
	
	Megan Feagles
	(for April Chastain)
	Debra Carino
	
	Amanda Coffey
	
	Megan Feagles
	(for Laurette Scott)
		Approval/21.SU
		
		Approval/21.SU
		
		Approval/21.SU
		
		Approval/21.SU
		
		Info/21.SU

5. Old Business a. Courses Scheduled for Inactivation 2021	**Curriculum Office**	
6. New Business a.		
7. Closing Comments a.		

Curriculum Committee Minutes

January 15, 2021 (8-9:30am)

Present: Dustin Bare, Nora Brodnicki, George Burgess, Elizabeth Carney, Amanda Coffey, Jeff Ennenga, Megan Feagles (Recorder), Eden Francis, Sharron Furno, Sue Goff, Shalee Hodgson, Kerrie Hughes, Jason Kovac, Alice Lewis (Alternate Chair), Mike Mattson, Patricia McFarland, Tracy Nelson, David Plotkin, Scot Pruyn (Chair), Lisa Reynolds, Cynthia Risan, Terrie Sanne, Charles Siegfried, Casey Sims, Dru Urbassik, Andrea Vergun, Helen Wand, Jim Wentworth-Plato

Guests: Rich Albers, April Chastain, Jay Leuck, Rick Lockwood, Joan San-Claire, Shelly Tracy

Absent: ASG Representative, Rick Carino, Kara Leonard, Tara Sprehe, Sarah Steidl

1. **Welcome & Introductions**

2. **Approval of Minutes**
   a. Approval of the December 4, 2020 minutes
   Motion to approve, approved

3. **Consent Agenda**
   a. Course Number Changes
   b. Course Title Change
   c. Reviewed Outlines for Approval
   Motion to approve, approved

4. **Course and Program Approvals**
   AUTOMOTIVE
   The following changes are all related to a complete program redesign
   Goals:
   1. address faculty and student work load
      a. instructors were teaching too many disciplines at one time
      b. allow a student to take one automotive class at a time to help them better focus and comprehend
   2. employment and gaining industry partnerships
      a. new program has a built in section that allows time for students to be employed while being a full time student. This is our internship program. This course will better align our students, program, and industry together
   3. create more opportunity and flexibility for a new student to enter our program
      a. A new student has the potential to not only enter our program at any term, they could enter a course that starts midterm as well
   4. how could we better partner and serve the industry we teach
   Jay Leuck and Rick Lockwood presented
   a. **Course Hours, Instructional Method, Credits Change**
      i. AM-129, 130, 131, 133, 223, 224, 235, 245
      ii. All courses changing to 100 LE/LA, 5 Credits
      iii. College committed to hiring a part-time faculty member. The program revision will create more opportunities for employment of the part-time faculty pool.
   Motion to approve, approved
   b. **New Courses**
      i. AM-101, 142, 201, 225, 229, 242
      ii. AM-101
         1. Prepare students who are new to the college and the auto service program for success. Taken in first term of the program.
         2. AM-142
            a. First half of Engine Performance
         3. AM-201
            a. Better prepare students for successful transition into the workforce
         4. AM-225
            a. Needed a dedicated course for the new technology in the area of safety systems that continue to be added to vehicles
         5. AM-229
            a. Continuation of AM-129
         6. AM-242

a. Second half of Engine Performance. Continuation of AM-142

Motion to approve, approved

c. **Program Amendments**
   i. Under Car Technician – Automatic Transmission CPCC
      1. Total credits change from 40 to 33
   ii. Under Car Technician – Manual Transmission CPCC
      1. Total credits change from 40 to 28
      2. 28 credits aren't enough for students to earn financial aid. Programs have to be at least 33 credits.
   iii. Automotive Service Technology AAS
      1. Total credits change from 94-95 to 90-91

Motion to approve, approved

d. **Program Suspensions**
   i. Under Hood Technician CPCC
      1. Won't be possible to offer with the program redesign

Motion to approve, approved

e. **Course Hours, Instructional Method, Credits Change**
   i. PIE-091
      1. Andrea Vergun presented
      2. The Saudi Arabian Cultural Mission (SACM) program has been discontinued, so this arrangement is no longer necessary or desirable. Revised PIE-091A to be more generic, and renamed it as PIE-091

Motion to approve, approved

f. **Course Inactivations**
   i. PIE-091B, 091C, 091D, 091H, 094
      1. Andrea Vergun presented
      2. 091s: The SACM program has been discontinued, so this arrangement is no longer necessary or desirable.
      3. 094: Our justification is that there is rarely demand for the course, and the PIE no longer has sufficient numbers enrollment to support running the course, even if a few students requested it. (Unlike other courses, it is not cross listed with an ESL courses; no resident students would need to take this course.)

Motion to approve, approved

   ii. APR-115UW, 116UM, 116UW, 117UM, 118UM
      1. Shelly Tracy presented
      2. PGE is no longer using these courses.
      3. They are being replaced with electives in the programs

Motion to approve, approved

   iii. ART-116, DMC-194, DMC-195
      1. Nora Brodnicki presented
      2. ART-116: stopped offered a few years ago after "color" was added to ART-115. This aligns with PSU's offerings.
      3. DMC-194 and 195 are equated to ENG-194 and ENG-195, which will remain active. It is better for Advisors and students to only have one set of courses.

Motion to approve, approved

g. **New Courses**
   i. FRP-255, FST-205, 207, 240, 245
      1. Jeff Ennenga presented
      2. Industry request
      3. FRP-255 will be reviewed for Related Instruction at a later date
         a. Why isn't this a course that Health/PE offers?
         b. Fire physical education requirements are very specific and this course prepares students for fire-specific applications
      4. FST courses will eventually be part of a certificate

Motion to approve, approved

h. **Program Amendments**
   i. **Group 1: AS, Computer Science, PSU**
      Rich Albers presented
      1. Moved the BI/CH/PH requirements from first year to second year to make the first year more manageable
      2. added CS-160 to the first term to give students some useful intro material.
      3. Total credits change from 100-106 to 100-102

Motion to approve, approved

      ii. **Group 2: Apprenticeship**
         Shelly Tracy presented
         1. Construction Trades, General Apprenticeship AAS
            a. Update Computation Related Instruction to say "except MTH-080"
         2. Electrician Apprenticeship Technologies AAS
            a. Total credits change from 90-101 to 90-102
            b. Update Computation Related Instruction from 3-4 to 4-5 credits and to include note of "except MTH-080"
            c. Removed courses that are planned for inactivation and adjusted elective credits accordingly.
         3. Industrial Mechanics and Maintenance Technology Apprenticeship AAS
            a. Total credits change from 90-96 to 90-94.
            b. Use MTH-080 as Computation Related Instruction, adjust elective credits.
   Motion to approve, approved
      iii. **Group 3: Accounting**
         Joan San-Claire presented
         1. Accounting Assistant AAS
            a. Added BA-112. Added EC-201 or EC-202 to elective options
         2. Accounting Clerk CC
            a. Only catalog note changes. Added EC-201 or EC-202 to elective options
   Motion to approve, approved
      iv. **Group 4: Horticulture**
         April Chastain presented
         Through Assessment and Guided Pathways work, moved common courses across programs to earlier terms
         1. Horticulture AAS
            a. Added in Focus Area courses, FYE-101
            b. Total Credits change from 94-98 to 95-101
         2. Horticulture CC
            a. Added HOR-223, HOR-230, Removed
            b. Total credits change from 51-55 to 49-52
         3. Landscape Management AAS
            a. Total credits change from 94-97 to 95-98
            b. Added FYE-101
         4. Landscape Management AAS, Arboriculture Option
            a. Total credits change from 94-97 to 96-99
            b. Added FYE-101. Replaced BA-214 with WR-101
         5. Landscape Practices CC
            a. Total credits change from 44 to 42
            b. Removed HOR-123, HOR-244
   Motion to approve, approved
      v. **Group 5: Human Services**
         1. Moved to 1/29/21 meeting
      vi. **Group 6: ART/DMC Inactivations**
         1. Moved to 1/29/21 meeting
      vii. **Group 7: OIT Engineering**
         1. Moved to 1/29/21 meeting
   i. **EFA Changes**
      i. EFA, Teaching and Education
         1. Moved to 1/29/21 meeting

5. **Old Business**
   a.
6. **New Business**
   a.
7. **Closing Comments**
   a.

-Meeting Adjourned-

Next Meeting: January 29, 2021 (8-9:30am)

1. Course Title Change

Course	Current Title	Proposed Title
BA-211	Financial Accounting I	Financial Accounting
HOR-212	Flower Arranger's Garden/Fall	Flower Arranger's Garden
HOR-234	Intermediate Landscape Design	Advanced Landscape Design
HOR-244	Environmental Landscape Design	Ecological Landscape Design
WR-240	Introduction to Creative Writing: Nonfiction	Creative Nonfiction Writing I
WR-241	Introduction to Creative Writing: Fiction	Fiction Writing I
WR-243	Creative Writing: Playwriting	Playwriting I
WR-244	Advanced Fiction Writing	Fiction Writing II
WR-245	Advanced Poetry Writing	Poetry Writing II
WR-247	Advanced Playwriting	Playwriting II
WR-263	Advanced Screenwriting	Screenwriting II
WR-268	Nature Writing	Creative Nonfiction Writing II: Nature Writing
WR-270	Food Writing	Creative Nonfiction Writing II: Food Writing

2. Course Number Change

Course	Title	Proposed Course Number

3. Outlines Reviewed for Approval

Course	Title	Implementation
BA-112	General Accounting II	
BA-206	Management Fundamentals	
BA-211	Financial Accounting	
BA-213	Decision Making with Accounting Information	
BA-217	Budgeting for Managers	
BA-240	Introduction to Financial Management	
~~BA-255~~	~~Advanced Topics in Accounting~~	
BA-256	Income Tax Accounting	
DMC-230	Documentary Film Production	
ED-113	Instructional Strategies in Reading & Language Arts	2021/SP
FR-102	First-Year French II	
FR-103	First-Year French III	
FR-212	Intermediate French Conversation	
FR-213	Intermediate French Conversation	
HOR-122	Greenhouse I	
HOR-123	Landscape Maintenance	
HOR-130	Plant Propagation Theory	
HOR-212	Flower Arranger's Garden	
HOR-220	Plant Propagation/Fall	
HOR-234	Advanced Landscape Design	
HOR-244	Ecological Landscape Design	

HOR-261	Tree Diagnostics
HOR-263	Plant Health Care Practicum
MTH-211	Fundamentals of Elementary Math I
MTH-212	Fundamentals of Elementary Math II
MTH-213	Fundamentals of Elementary Math III
MTH-251	Calculus I
MTH-252	Calculus II
SPN-213	Intermediate Spanish Conversation
WR-148	Self-Publishing: Design and Layout
WR-240	Creative Nonfiction Writing I
WR-241	Fiction Writing I
WR-243	Playwriting I
WR-244	Fiction Writing II
WR-245	Poetry Writing II
WR-247	Playwriting II
WR-263	Screenwriting II
WR-265	Digital Storytelling
WR-268	Creative Nonfiction Writing II: Nature Writing
WR-270	Creative Nonfiction Writing II: Food Writing

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire@clackamas.edu

Course Prefix and Number: BA - 112

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: General Accounting II

Course Description:

Provides a more in-depth look at general accounting principles and practices for small business. Topics include payroll, recording bad debt, notes receivable and payable, inventory adjustment, and long-term asset valuation. Accounting practices for partnerships and manufacturing structures are examined, and financial analysis is introduced as a tool for evaluating the health and wealth of a business.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Accounting Clerk Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-111 or BA-211

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. calculate and record pay and payroll taxes, and review required tax forms;
2. account for receivables, practice methods of estimation and writing off bad debt;
3. calculate and record interest expense and revenue, and record notes receivable and notes payable;
4. adjust merchandise inventory for both periodic and perpetual systems;
5. measure the cost of property, plant, and equipment, calculate depreciation, and record disposals;
6. demonstrate accounting for partnerships;
7. analyze financial statements and interpret ratios to evaluate performance and financial position;
8. track the flow of costs for a manufacturer.

This course does not include assessable **General Ed***ucation outcomes.*

Major Topic Outline:

1. Payroll.
2. Bad debts.
2. Notes receivable and notes payable.
3. Merchandise inventory accounting.
4. Property, plant, equipment, and intangible assets.
5. Partnership accounting.
6. Financial analysis.
7. Manufacturing accounting.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)** ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **general elective**
✓ **other (provide details)**: business elective

First term to be offered:

Specify term: Winter 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Sharon
Last Name: Parker
Phone: 3075
Email: sharonp

Course Prefix and Number: BA - 206

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Management Fundamentals

Course Description:

Concepts and theories of management with focus on planning, organizing, leading, and controlling. Decision making, planning principles, global management, managing people and teams, effective communication, and motivation are included.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business AAS, Project Management AAS, Business Managment Certificate, Retail Management Certificate, First Line Supervisor Fundamentals Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-101, BA-251, and WRD-098, or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate an understanding of the functions of leading, planning, organizing, and controlling in an organization;
2. demonstrate an understanding of theories/concepts related to the topics of ethics, social responsibility, global management, decision making, change management, motivation, diversity, organizational culture, organizational structure, teamwork, communication, and/or employee performance management;
3. demonstrate an understanding of the various historical and contemporary management and leadership theories.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. History of Management
2. Ethics and Social Responsibility
3. Decision Making
4. Planning
5. Strategic Management
6. Global Management
7. Organizational Culture & Structure
8. Organizational Change & Innovation
9. Human Resource Management
10. Managing Diversity
11. Managing & Motivating Individuals
12. Managing Groups & Teams
13. Leadership
14. Controls
15. Interpersonal & Organizational Communication

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a

new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ OIT (Oregon Institute of Technology)

Identify comparable course(s) at OUS school(s)

BUS215 Oregon Institute of Technology
BA374 (Southern Oregon University)
BA321 (Eastern Oregon University)

How does it transfer? (Check all that apply)

✓ general elective
✓ other (provide details): OIT Articulation: AAS Business to BS in Operations Management

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire

Course Prefix and Number: BA - 211

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Financial Accounting

Course Description:

Student develops skills in the essential principles of accrual-basis financial accounting for service and merchandising companies. Topics cover the recording and reporting of financial transactions according to generally accepted accounting principles through the complete accounting cycle. Included are managing inventory, accounting for receivables, reconciling the cash account, internal controls, long-term assets, current liabilities, stockholders' equity, ratio analysis, ethics, using Excel, and financial statement reporting. Emphasis is on procedure and process.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business AAS & Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-101 and BA-131

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: BA-104 and BA-111

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. use the accounting cycle to develop financial statements from business transactions;
2. describe how basic business economic events affect accounts and financial statements;
3. interpret and analyze financial statements to aid in decision making;
4. demonstrate a basic understanding of the principles of internal control and apply them to relatively straight-forward situations to identify strengths and weaknesses;
5. demonstrate a basic understanding of accrual accounting;
6. demonstrate basic understanding of inventory, receivables, long-lived assets, liabilities, and stockholder's equity and recommend appropriate accounting treatment;
7. describe the purpose of accounting and explain its role in business and society.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. The framework for financial accounting.
2. Tools for financial analysis.
2. The accounting cycle.
3. Cash and internal controls.
4. Receivables and sales.
5. Inventory and cost of goods sold.
6. Long-term assets.
7. Current liabilities.
8. Stockholders' equity.
9. Statement of cash flows.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

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1. Is there an equivalent lower division course at the University?
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If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

√ **OIT (Oregon Institute of Technology)**
√ **OSU (Oregon State University)**
√ **PSU (Portland State University)**
√ **SOU (Southern Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU, OSU, and SOU: BA 211
OIT: ACC 201

How does it transfer? (Check all that apply)

√ **required or support for major**

√ **general elective**
:

First term to be offered:

Specify term: Fall 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire@clackamas.edu

Course Prefix and Number: BA - 213

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Decision Making with Accounting Information

Course Description:

Building on the introduction to financial accounting, this course focuses on managerial accounting, which is the language of business for internal management in manufacturing and service organizations. Managerial accounting drives effective operational decisions by analyzing the components and flow of costs for products and services, as well as for jobs, activities, and segments. Budgets convey an organization's plan of operations, while performance measurement compares variances with actual results. This course is recommended for those interested in business in general, as well as for those planning a career in accounting.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business and Accounting AAS

Are there prerequisites to this course?

Yes

Pre-reqs: BA-211

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. explain why managerial accounting is important and to whom, what technical processes and tools are used, and how this type of data impacts internal decision making;
2. classify costs, determine cost drivers, and journalize transactions as costs flow through the manufacturing process;
3. differentiate between a variety of absorption and variable costing methods and systems;
4. examine cost-volume-profit relationships, and calculate contribution margins, operating income, and performance measurements;
5. apply sensitivity analyses and standard costing practices, prepare budgets and schedules, and analyze variances;
6. describe the concepts of responsibility accounting, differential analysis, and short-term decision making.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to managerial accounting.
2. Cost concepts.
2. Job order costing.
3. Activity-based costing.
4. Cost-Volume-Profit analysis.
5. Variable costing.
6. Master budgets, flexible budgets, standard costs, and variance analysis.
7. Performance measurement.
8. Differential analysis.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

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1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**

Identify comparable course(s) at OUS school(s)

OIT: ACC 203 Prin of Managerial Accounting
PCC: BA213

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire@clackamas.edu

Course Prefix and Number: BA - 217

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Budgeting for Managers

Course Description:

Budgeting is a crucial managerial decision-making and planning tool that also incorporates performance evaluation through variance analysis. This course examines developing and managing department and project budgets in-depth, as well as how they fit into the overall organizational framework. Specifically, this course includes coverage of static, flexible, and rolling budgets, capital budgeting, variance analysis, break-even and contribution margin analysis, profit planning, manufacturing costs, and sales forecasts, and cost behavior.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business AAS & Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-131

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: BA-211 or BA-213, or experience in accounting or budgeting

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. describe the importance of budgeting and the development process, including budget components, constraints, and ethical considerations;
2. demonstrate application of basic math skills;
3. apply budgeting techniques, such as standard costs, variance analysis, and flexible budgeting as a planning and performance evaluation tool;
4. compute compound interest, present and future value, the break-even point, and contribution margin;
5. evaluate long-term projects and capital expenditure decisions with analytic tools and capital budgeting techniques.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Importance of budgets.
2. Budget processes and human behavior.
3. Components of the budget.
4. Budget period and adjustments.
5. Responsibility accounting and management by exception.
6. Flexible budgets.
7. Standard costs.
8. Variance analysis.
9. Evaluation of long-term projects.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

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1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire@clackamas.edu

Course Prefix and Number: BA - 240

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Introduction to Financial Management

Course Description:

In this course, you will build upon knowledge obtained from the Principles of Accounting courses to comprehend the process and practice of corporate financial management. Purchasing capital assets and undertaking projects require sound decision-making and management of risk, as well as a solid understanding of the time value of money. In this course, you will delve into discounted cash flow analysis for stocks and bonds, capital budgeting, the cost of capital, and effective corporate financial planning. Both theoretical and practical, our focus is on decisions that are made by the corporate financial manager.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): AAS Accounting Assistant

Are there prerequisites to this course?

Yes

Pre-reqs: BA-131 and BA-213

Have you consulted with the appropriate chair if the pre-req is in another program?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

Yes

Have you talked with the appropriate chair?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. explain the goals of corporate finance;
2. apply appropriate techniques to evaluate and manage investment decisions involving interest rates, bonds, and stocks;
3. evaluate the acquisition of assets and the undertaking of projects using time value of money principles;
4. demonstrate an understanding of the trade-off between risk and return, financial markets, and the cost of capital;
5. integrate financial theory to plan appropriate long-term financing structure and policy.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to Corporate Finance, Financial Statements, Taxes, and Cash Flow
2. Introduction to Time Value of Money and Discounted Cash Flows
3. Interest Rates and Bond Valuation
4. Stock Valuation
5. Net Present Value (NPV) and Other Investment Criteria
6. Capital Investment Decisions
7. Project Evaluation
8. Capital Market History, Return, Risk, and the Security Market Line (SML)
9. Cost of Capital, Financial Leverage, and Capital Structure Policy
10. Risk, Returns, and Diversification

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

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Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**   ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

BA-240 at OSU (direct articulation/transfer
Business elective for other schools

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Specify term: Spring 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire

Course Prefix and Number: BA - 255

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Advanced Topics in Accounting

Course Description:

Build upon knowledge obtained from previous courses on the principles of accounting to comprehend and gain practice in more advanced and specialized areas of accounting, which may include Government and Nonprofit Accounting, Auditing and Fraud, and/or Data Analytics.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business AAS & Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: BA-213

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

Comprehend and apply the appropriate specialized procedures and techniques that are used in an advanced area of Accounting.

This course does not include assessable **General Ed**ucation outcomes.

Major Topic Outline:

Government and Nonprofit Accounting example:
1. Introduction to accounting and financial reporting for governmental and nonprofit organizations
2. Modified accrual accounting
3. Accounting for general and special revenue funds
4. Accounting for other fund types: capital projects, debt service, and permanent
5. Proprietary and fiduciary funds
6. Government-wide statements, capital assets, long-term debt
7. Accounting for private nonprofit organizations
8. College and university accounting
9. Accounting for hospitals and healthcare providers

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

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Which OUS schools will the course transfer to? (Check all that apply)

√ **EOU (Eastern Oregon University)**   √ **PSU (Portland State University)**
√ **OIT (Oregon Institute of Technology)** √ **SOU (Southern Oregon University)**
√ **OSU (Oregon State University)**   √ **UO (University of Oregon)**
√ **OSU-Cascade**   √ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

(PCC) BA 240 Nonprofit Financial Management and Accounting

How does it transfer? (Check all that apply)

√ **general elective**
:

First term to be offered:

Specify term: Spring 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Business

Submitter

First Name: Joan
Last Name: San-Claire
Phone: 3013
Email: joan.san-claire

Course Prefix and Number: BA - 256

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Income Tax Accounting

Course Description:

Detailed review of the federal tax structure, as it relates to the preparation of individual tax returns, including those with business and investment activities. This course briefly overviews partnership and corporate tax returns.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Business AAS & Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: BA-211 or financial accounting experience

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. Prepare basic federal income tax returns for individuals, including sole proprietors;
2. Distinguish the different types of taxes, as well as the differences between tax deductions and tax exemptions;
3. Critically evaluate effective tax planning actions that can minimize individual liability.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Overview of the tax structure.
2. Tax determination, payments, and reporting procedures.
3. Gross income inclusions.
4. Gross income exclusions and adjustments to income.
5. Personal itemized deductions.
6. Other itemized deductions.
7. Self-employment.
8. Depreciation and amortization.
9. Rental activities.
10. Property: basis and nontaxable exchanges.
11. Property: capital gains and losses, and depreciation recapture.
12. Withholding, payroll, and estimated taxes.
13. Business entitles.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

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3. Will the course be accepted as part of the University's distribution requirements?

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Which OUS schools will the course transfer to? (Check all that apply)

                                         ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**
✓ **OSU (Oregon State University)**

Identify comparable course(s) at OUS school(s)

BA 256 Income Tax (PCC)

How does it transfer? (Check all that apply)

✓ **general elective**
:

First term to be offered:

Specify term: Winter 2019

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Art

Submitter

First Name: Nora
Last Name: Brodnicki
Phone: 3036
Email: norab

Course Prefix and Number: DMC - 230

 # Credits: 4

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):   33
Total course hours: 66

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Documentary Film Production

Course Description:

Introduction to the concepts, fundamentals and production of documentary film making. This lecture/lab course will explore traditions and new technological approaches to creating digital documentary films.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): DMC

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: DMC-104 and ENG-194. Previous experience with film studies and digital video

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify different types of documentary films;
2. describe the history and process of documentary film making;
3. plan, shoot, produce, direct and edit short documentary films;
4. describe the language of documentary film making.

This course does not include assessable **General Ed***ucation outcomes.*

Major Topic Outline:

1. Introduction to different types of documentary films.
2. Documentary Film history.
3. Digital and technological approaches to documentary films.
4. Documentary film production.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

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2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

Identify comparable course(s) at OUS school(s)

FILM 258: Documentary Film Production I

How does it transfer? (Check all that apply)

✓ **required or support for major**

:

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Education, Human Services & Criminal Justice

Submitter

First Name: Laurette
Last Name: Scott
Phone: 3840
Email: laurette

Course Prefix and Number: ED - 113

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Instructional Strategies in Reading & Language Arts

Course Description:

This course provides foundational knowledge for the teaching of literacy skills in educational settings. Addresses foundations of literacy as well as the developmental stages of literacy. Focuses on instructional strategies for teaching reading and writing to diverse student populations.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): CTE Licensure Prep certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Fall

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. analyze the development of literacy in terms of: comprehension, writing, vocabulary, word structure, and fluency;
2. define the characteristics of each stage of literacy development: emergent, beginning, transitional, intermediate, and skillful;
3. apply knowledge of developmental stages of literacy to the selection of effective instructional strategies,
4. compare and contrast different types of literacy assessment and their role in planning for literacy instruction and intervention,
5. describe how cultural context influences literacy development and the selection of teaching strategies.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Foundations of Literacy Instruction.
2. Language and Literacy Development.
3. Effective Literacy Instruction.
4. Assessment and Instruction.
5. Literacy and Instruction for English Language Learners.
6. Emergent Literacy.
7. Beginning Conventional Reading and Writing.
8. Transitional Reading and Writing.
9. Intermediate Reading and Writing.
10. Skillful Literacy.
11. Intervention and Acceleration.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

　　　　1. Is there an equivalent lower division course at the University?

2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
                                       ✓ **SOU (Southern Oregon University)**
                                       ✓ **UO (University of Oregon)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: World Languages

Submitter

First Name: Ernesto
Last Name: Hernandez
Phone:　　　3710
Email:　　　ernesto.hernandez

Course Prefix and Number: FR - 102

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours:　44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: First-Year French II

Course Description:

Second term of a three-term foundational, multimedia course in beginning French designed to give students basic communicative proficiency in the target language. Students will practice all four skills: listening, speaking, reading, and writing. Special attention will be paid to pronunciation, essential grammar structures, and attendant cultural elements. Student learning is assessed through a variety of guided exercises and assignments, interactive activities, homework, tests and quizzes, and other class projects and participation.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: FR-101

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. recognize meaning and correctly use common regular –IR and –RE verbs [finir, prendre etc.] and essential irregular verbs [e.g. aller, faire, pouvoir] with correct subject pronouns in oral and written expression, in addition to continued work with regular –ER verbs;
2. describe, discuss, and answer questions about school and daily activities as presented in course materials using correct grammar and vocabulary in oral and written expression;
3. recognize and use cardinal numbers 0-1000 and use of simple time expressions for personal schedules[à une/deux/trois heure(s), etc.];
4. recognize and use possessives [mon, ma, mes, etc.] and prepositions of place with correct grammar and vocabulary from course materials in oral and written expression;
5. recognize and make descriptions and comparisons of people, places, objects, and situations using correct grammar and vocabulary in oral and written expression;
6. give simple descriptions and opinions about selected social and cultural topics in the target language in oral and written expression;

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Academic, leisure, and routine activities
2. Description and comparison of family, friends, strangers, and/or famous people
3. Days, seasons, months of the year, weather
4. School and personal schedules
5. Holidays, birthdays, and special celebrations
6. Nationalities
7. Describing, comparing, and providing information for people, places, and things

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **OSU (Oregon State University)**

✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**
✓ **UO (University of Oregon)**
✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

FR 102 (PSU,SOU,UO,)
FR 112 (OSU)
FR 102D (WOU)

How does it transfer? (Check all that apply)

✓ **general elective**
✓ **other (provide details)**: Required for graduation in lieu of two year's high school foreign language

First term to be offered:

Next available term after approval
:

Clackamas Community College

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Section #1 General Course Information

Department: World Languages

Submitter

  First Name: Ernesto
  Last Name: Hernandez
  Phone: 3710
  Email: ernesto.hernandez

Course Prefix and Number: FR - 103

 # Credits: 4

Contact hours

  Lecture (# of hours): 44
  Lec/lab (# of hours):
  Lab (# of hours):
  Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: First-Year French III

Course Description:

Third term of a three-term foundational, multimedia course in beginning French designed to give students basic communicative proficiency in the target language. Students will practice all four skills: listening, speaking, reading, and writing. Special attention will be paid to pronunciation, essential grammar structures, and attendant cultural elements. Student learning is assessed through a variety of guided exercises and assignments, interactive activities, homework, tests and quizzes, and other class projects and participation.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: FR-102

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate increased oral and written proficiency of all student learning outcomes from FR 101 and FR 102, especially the use of regular –ER, –IR, –RE verbs in oral and written expression, in conjunction with increased facility in the use of pronouns;
2. demonstrate increased ease with major irregular verbs [être, avoir, aller, faire, pouvoir, vouloir, connaître, savoir, etc] in oral and written expression;
3. recognize and use expressions of quantity and partitive articles [un peu de, trop de, assez de, du, de la, etc] to discuss varieties and preferences of food and drink in oral and written expression;
4. recognize, demonstrate, and use knowledge of food and cuisine vocabulary as well as useful grammar, like the imperative, for properly interacting in French-speaking restaurants, cafés, shops, or home meals;
5. identify, describe, discuss, and answer questions about occupations, jobs, professional life, schedules and routines of self and others in oral and written expression;
6. demonstrate basic knowledge and simple use of the near future, the near past, and the passé composé to describe personal plans and events in the past and in the future;
7. give short descriptions and opinions about selected social and cultural topics in the target language in oral and written expression;
8. describe, discuss, answer questions about, and make comparisons of French/Francophone and (North) American systems [i.e. education, cuisine, professions, etc] in English and/or the target language;

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Using time vocabulary and grammar for personal and business schedules.
2. Jobs and professional life.
3. Talking about food and food preferences in restaurants or home meals.
4. Basic shopping situations.
5. Simple descriptions of past and future life events.
6. Cross-cultural discussions and comparisons of food, education, business, occupations.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

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1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **OSU (Oregon State University)**

✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**
✓ **UO (University of Oregon)**
✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

FR 103 (PSU,SOU,UO,)
FR 113 (OSU)
FR 103D (WOU)

How does it transfer? (Check all that apply)

✓ **general elective**
✓ **other (provide details)**: Required for graduation in lieu of two year's high school foreign language

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: World Languages

Submitter

  First Name: Ernesto
  Last Name: Hernandez
  Phone: 3710
  Email: ernesto.hernandez

Course Prefix and Number: FR - 212

 # Credits: 3

Contact hours

  Lecture (# of hours): 33
  Lec/lab (# of hours):
  Lab (# of hours):
  Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Intermediate French Conversation

Course Description:

Second term of a three-term series in intermediate development of speaking and listening proficiency through creative activities such as discussions of excerpts from contemporary French-language media, presentations, games, role-plays, debates, pair and group work. This course is ideally suited as a language elective or for personal enrichment. Materials, topics and level of difficulty will parallel work in FR-202.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: FR-103 with a C or better, or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. use all tenses from first-year French and FR-201 and -211 with increased accuracy and facility, and expand use of tenses and aspect to include conditionals and perfect tenses to discuss correctly and creatively personal and historical past events (both real and hypothetical);
2. in addition to continued use of material from FR-201 and -211, correctly and creatively combine course material to role-play, discuss, debate, and/or analyze certain situations in areas like leisure activities, entertainment, and artistic traditions in French-speaking contexts.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Talking about memorable moments in the past, what you used to do, what used to happen.
2. Talking about hypothetical situations.
3. Leisure activities, entertainment, art.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

√ **OSU (Oregon State University)**

√ **PSU (Portland State University)**
√ **SOU (Southern Oregon University)**
√ **UO (University of Oregon)**
√ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

FR 199 (PSU,SOU,UO)
FR 107 (SOU)

How does it transfer? (Check all that apply)

√ **required or support for major**
√ **general education or distribution requirement**
√ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: World Languages

Submitter

First Name: Ernesto
Last Name: Hernandez
Phone: 3710
Email: ernesto.hernandez

Course Prefix and Number: FR - 213

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Intermediate French Conversation

Course Description:

Third term of a three-term series in intermediate development of speaking and listening proficiency through creative activities such as discussions of excerpts from contemporary French-language media, presentations, games, role-plays, debates, pair and group work. This course is ideally suited as a language elective or for personal enrichment. Materials, topics and level of difficulty will parallel work in FR-203.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: FR-103 with a C or better, or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate increased proficiency of all learning outcomes from FR-201, FR-211, and FR-202, FR-212, especially grammar structures that aid in conversational fluency;
2. give advice, recommendations, and suggestions;
3. express finer points of meaning and subtlety in emotion, politeness, doubt, and necessity;
4. give opinions and express both subtleties and abstract generalities;
5. correctly and creatively combine learned material to role-play, discuss, debate, and/or analyze certain situations in areas like politics, education, healthcare systems, money and finance, geography and regional diversity, and the historical development of Francophone regions.

This course does not include assessable **General Ed***ucation outcomes.*

Major Topic Outline:

1.) Politics, education, healthcare systems, money and finance, geography and regional diversity, especially the geography of France and major Francophone regions.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **OSU (Oregon State University)**

✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**
✓ **UO (University of Oregon)**
✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

FR 199 (PSU,SOU,UO,WOU)
FR 108

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone:　　　3055
Email:　　　april.chastain

Course Prefix and Number: HOR - 122

 # Credits: 3

Contact hours

Lecture (# of hours): 22
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours:　 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Greenhouse I

Course Description:

Environmental influences on plant growth, crop scheduling, greenhouse structures and equipment. Emphasis on foliage and flowering potted plant production.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Horticulture AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. describe the principles of plant growth as well as physiological processes;
2. analyze production techniques and systems including heating and cooling systems as well as equipment and tools;
3. distinguish assigned crops and be able to identify them as well as water, fertilizer, soil/media, light, and temperature and their role in greenhouse crop production;
4. describe plant disorders including insects and diseases as well a diagnose plant disorders;
5. define the components in integrated pest management for greenhouse crops.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to Greenhouse Crops.
a. Principles of plant growth.
b. Plant physiological processes.
c. Production techniques and systems.
d. Plant identification.
2. Growing Structures.
a. Heating and cooling systems.
b. Equipment and tools.
3. Controlling Plant Growth.
a. Water.
b. Fertilizer.
c. Soil/Media.
d. Light.
e. Temperature.
f. Definition of electrical conductivity (EC) and pH of water and soil.
g. Calculation of fertilizers as they relate to plant growth and quality.
4. Plant Disorders.
a. Greenhouse pests.
b. Plant diseases.
c. Diagnosing plant disorders.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**Yes**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**Yes**	

Percent of course: 10%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 123

 # Credits: 3

Contact hours

Lecture (# of hours): 22
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Landscape Maintenance

Course Description:

Principles and practices of sustainable landscape maintenance, plant growth and development, soil-water-fertilizer management, pruning, turf, pest control, diagnosis of problems in trees and shrubs, and maintenance scheduling.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Landscape AAS & Certificate, Arboriculture AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. evaluate plant health and develop action plans to correct plant problems;
2. develop a year-long landscape maintenance schedule for a landscape site;
3. evaluate soil compaction and describe the effect of soil compaction upon plant growth;
4. develop a bid proposal for a landscape site using the full take-off method;
5. perform landscape maintenance activities.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Plant Replacement.
a. Diagnosing problems.
b. Selecting new plants for a site.
c. Proper planting practices.
2. Turf Management Practices.
a. Mowing: quality and production.
b. Proper planting practices.
3. Plant Management Practices.
a. Fertilization: Formulations and techniques.
b. Irrigation systems including annual maintenance.
c. Soil management systems and schedules.
d. Pruning systems and schedules.
e. Preventive maintenance and repair schedules.
4. Diagnosing and Treating Problems.
a. The diagnostic approach.
b. Non-infectious disorders.
c. Insects and diseases.
d. IPM – Integrated Pest Management programs.
5. Landscape Maintenance Planning and Estimating.
a. Specifications.
b. Forms and schedules.
c. Estimating and bidding practices.
d. Sales and public relations.
6. Considerations for sustainable landscapes.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**Yes**
4. Clean up natural environment	**Yes**
5. Supports green services	**Yes**

Percent of course: 50%

First term to be offered:

Specify term: Spring 2022

Clackamas Community College

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 130

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Plant Propagation Theory

Course Description:

Covers plant anatomy and reproduction techniques of plants from seed, cuttings, grafting, division, and micro-propagation (tissue culture). Offers an in-depth overview of propagation systems that may be selected.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Horticulture AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Fall

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. list propagation materials and equipment including; media, containers, and irrigation systems;
2. identify sexual propagation practices including basic genetics and breeding concepts, seed production, treatments and horticultural seeding practices;
3. identify asexual propagation practices including cuttings, layering, division, grafting and micropagation;
4. analyze practices between propagation and potting as well as construct propagation records;
5. demonstrate the successful technique for propagating cuttings;
6. make sound decisions concerning approaches to propagation, based on knowledge, research and experimentation in the lab.

This course does not include assessable **General Ed**ucation outcomes.

Major Topic Outline:

1. Aspects of Plant Propagation.
a. Plant physiological processes.
b. Plant anatomy.
c. Plant fertility.
d. Diseases and insect control.
2. Propagation Materials and Equipment.
a. Creating the propagation environment.
b. Evaluation of propagation media.
c. Containers, irrigation practices.
d. Sanitation.
e. Equipment.
f. Diseases and insect control.
3. Sexual Propagation Practices.
a. Basic genetics and breeding concepts.
b. Seed production and collection.
c. Seed dormancy treatments.
d. Germination environments.
e. Seedling nursery practices.
4. Asexual Propagation Practices.
a. Cutting propagation.
b. Layering.
c. Budding and grafting practices.
d. Tissue culture.
5. Practices Between Propagation and Potting.
6. Propagation Records.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

First term to be offered:

Specify term: Fall 2021

Clackamas Community College

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 212

 # Credits: 2

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 44
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Flower Arranger's Garden

Course Description:

Learn to identify and use organic methods to grow fall season plants which are suitable for use as cut flowers and foliage. Includes basic floral design and visits to local cutting gardens. Ideal for garden designers, home gardeners, and growers of commercial cutting gardens.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Horticulture AAS, Landscape AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Not every year

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?   3/4

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify simple and easy styles of floral design;
2. select and prepare proper container;
3. determine suitable types of flowers for specific arrangement styles and containers;
4. explain factors that impact cut flower/foliage longevity (vase life);
5. cite cultural and handling requirements for 40 unusual types of plants including woody shrubs, herbaceous perennials, annuals and biennials, native plants, and more;
6. demonstrate proper maintenance of fresh flower arrangements to allow for maximum longevity.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Flower arrangement.
a. Styles of arrangements.
b. Container selection including traditional and new ideas.
c. Form of the arrangement to suit style.
d. Suitable species of flowers for specific styles.
e. New ideas for the designer/arranger.
f. Study of cut flower longevity.
2. Cultural requirements of 40 different annual and herbaceous.
a. Perennial plants.
b. Botanic name - common name.
c. Exposure for maximum quality plant growth.
d. Soil requirements for each species.
e. Environmental considerations for plant culture.
f. Harvest timing and conditioning for quality stems for arrangements.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**Yes**
4. Clean up natural environment	**No**
5. Supports green services	**Yes**

Percent of course: 25%

First term to be offered:

Next available term after approval
:

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 220

 # Credits: 3

Contact hours

Lecture (# of hours): 22
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Plant Propagation/Fall

Course Description:

Proper techniques for reproducing plants from seeds, cuttings, and grafting. Emphasis on seasonal plant production. Class includes a lab component.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Horticulture AAS, Landscape AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Not every year

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate the successful technique for propagating semi-hardwood cuttings;
2. describe the environmental requirements for successful cutting propagation;
3. explain the factors important to successful seed collection, storage and breaking of dormancy;
4. explain the sources of variation within both sexually and clonally propagated plants;
5. describe the process of layering, and how it's used in commercial propagation;
6. make sound decisions concerning approaches to propagation, based on knowledge, research and experimentation;
7. maintain accurate records, and conduct research using the internet and other publications.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Plant physiology.
a. Plant parts.
b. Plant physiological processes.
2. Plant and environment—relationships for survival.
a. Sanitation.
b. Fertility.
c. Diseases and insect control.
d. Plant quality.
3. Propagation structures and materials.
a. Structures for plant propagation.
b. Equipment for propagation.
c. Propagation media.
d. Hormones and "wounding."
4. Seed propagation.
a. Seed harvest/selection.
b. Seed viability.
c. Seed storage.
d. Seed stratification.
e. Seed scarification.
5. Asexual plant propagation by cuttings, budding, grafting, layering, specialized structures and tissue culture.
a. Advantages and disadvantages of each method.
b. Timing of asexual propagation.
c. Selection of cutting wood.
d. Use of various plant parts.
e. Collecting propagation materials.
f. Record keeping for asexual propagation.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**

3. Prevent environmental degradation **Yes**
4. Clean up natural environment **No**
5. Supports green services **Yes**

Percent of course: 10%

First term to be offered:

Next available term after approval
:

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 234

 # Credits: 3

Contact hours

Lecture (# of hours): 22
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Advanced Landscape Design

Course Description:

Further skill development in drawing, site analysis, and design, including two & three dimensional design concepts. Graphic exercises will be included as well as the study of creative and practical solutions for various site and program requirements of small commercial and residential landscape sites.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Landscape AAS, Horticulture AAS

Are there prerequisites to this course?

Yes

Pre-reqs: HOR-229

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: Prior Plant ID knowledge or HOR-226, HOR-227, and HOR-228

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every year**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. design title block and sheet layout for a scaled residential landscape plan;
2. develop site plans for various landscape scenarios;
3. draw landscape scenarios in plan, section/elevation and in perspective;
4. work with a hypothetical residential site to develop a Final Plan;
5. create planting plans.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Design process.
a. Client checklist.
b. Program development.
c. Functional diagrams.
d. Conceptual plans.
e. Planting plan.
f. Final plan.
g. Site analysis skills.
g1. Understanding opportunities and constraints.
g2. Implications for design.
g3. Site analysis overlays.
2. Design program.
a. Environmental concerns, constraints, advantages.
b. Basic grading and drainage concepts.
c. Existing aesthetic concerns vs. proposed.
3. Landscape drafting.
a. Types of landscape plans.
b. Drafting skills and graphics development
c. Sheet layout and title blocks.
d. Supporting documents
d1. Adding layers of information to plan documents
d2. Drawing sections and elevations
d3. Perspective
d4. Drawing project details
4. Design styles and forms in residential planning.

a. Rectangular, circular, free form.
b. Design styles and historical context

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **Yes**
4. Clean up natural environment   **Yes**
5. Supports green services   **Yes**

Percent of course: 50%

First term to be offered:

Specify term: Spring 2021

a. Rectangular, circular, free form.
b. Design styles and historical context

Clackamas Community College

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 244

 # Credits: 3

Contact hours

Lecture (# of hours): 22
Lec/lab (# of hours): 22
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Ecological Landscape Design

Course Description:

Overview of landscape design features that will benefit the natural environment, provide habitat for wildlife and require minimal inputs of energy, water and other materials. Includes basic design concepts, design terminology and techniques, as well as ideas for marketing of sustainable designs.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Landscape AAS

Are there prerequisites to this course?

Yes

Pre-reqs: HOR-229

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: Prior Plant ID knowledge or HOR-226, HOR-227, and HOR-228

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Not every year

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate site assessment and ecological systems analysis, use of design tools, terminology, and techniques;
2. determine the appropriate use of plant species for specific landscape habitats, which will attract and enhance the wildlife environment;
3. describe options for the establishment of ecological systems through landscaping;
4. create landscape designs which includes effective utilization of environmental design concepts.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Sustainability in Landscape Design.
2. Landscaping for Wildlife.
3. Using Pacific NW Native Plants in Design.
4. Energy use in the Landscape.
5. Windbreaks.
6. Ecologically Sound Landscape Materials.
7. Bioswales and rain gardens.
8. Green Streets.
9. Xeriscaping /Waterwise design practices and benefits.
10. Ecoroofs and Façade greening.
11. Erosion control.
12. Bioremediation.
13. Street Trees and Urban Forestry.
14. Edibles in the Landscape.
15. Invasive Plants and Natural Succession
16. Designing for Pesticide-free landscapes
17. Social and Environmental justice
18. Landscaping for climate resilience
19. Marketing ecological designs.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **Yes**
4. Clean up natural environment   **Yes**
5. Supports green services   **Yes**

Percent of course: 90%

First term to be offered:

Specify term: Spring 2022

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain@clackamas.edu

Course Prefix and Number: HOR - 261

 # Credits: 2

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 44
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Tree Diagnostics

Course Description:

Theory and practice in diagnosing specific biotic and abiotic causes of poor tree health. Includes identification of symptoms, use of monitoring tools and effective customer communications. Prepare and test for the Oregon Department of Agriculture Ornamental and Turf Insecticide/Fungicide exam.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Arboriculture AAS, Landscape Management AAS

Are there prerequisites to this course?

Yes

Pre-reqs: HOR-120, HOR-216, HOR-225, HOR-236, and HOR-237

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1.define the difference between an abiotic-caused plant disorder and a biotic-caused plant disorder;
2.identify environmental factors that affect biotic and abiotic-caused tree disorders;
3.identify by sight common disorders of trees;
4.use monitoring tools to assist in tree problem diagnosis;
5.list appropriate steps to improve tree health when compromised by specific abiotic or biotic-induced disorders;
6.communicate in writing and orally the cause of ill health for selected trees;
7.pass the ODA Ornamental & Turf Insecticide/Fungicide exam.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Abiotic vs. Biotic Disorders
a.Compare definitions used for defining abiotic–caused plant disorders from various resources;
b.List key differences and distinctions between an abiotic-caused plant disorder and a biotic-caused plant disorder.
c.List how abiotic factors may influence biotic factors.
2.Plant Symptoms Resulting from Abiotic Factors
a.Temperature: heat, cold
b.Soil problems: water, aeration, nutrient excess or deficiency;
c.Sunburn and sunscald
d.Light intensity
e.Wind injury
f.Hail/ice
g.Lightning
h.Human induced: girdling roots, pesticide damage, graft incompatibility, mechanical injury, inappropriate planting technique, gas injury, air pollution, root removal, soil compaction
3.Biotic Signs & Symptoms of Disorders
a.Biotic – fungus, bacteria, virus, insect, mammal, mite, rodent, deer
b.Diagnostic process used to determine cause of decline
4.Customer Communication
a.Design communication techniques to use for explaining specific abiotic and biotic disorders to clients
b.Review written forms used by various private and public entities
c.Practice delivering information regarding tree problems in both writing and orally for selected trees and other landscape plants, according to standards used in industry Plant Health Care forms, and public sector tree evaluation documents
5.Monitoring Tools to Aid in Diagnosis
a.beating trays, pheromone traps, weather stations, soil probes, degree-days, dissecting scope, hand lens

b.onsite inspection, soil samples, drones, area wide weather stations, internet resources
c.software programs
6.Identifying Steps to Improve Tree Health
a.Create a working list of how to protect plants from abiotic plant disorders
b.Prepare a working list of how to treat plants suffering from abiotic disorders
c.50 most common trees grown in landscapes locally and 3-5 common biotic disorders for each
d.10 most common abiotic disorders of trees grown in local landscapes – drought, water-logged roots, compaction, lawn mower blight, poor planting technique, wrong location, temperature damage, root removal due to human activities
7.Take the Oregon Department of Agriculture Ornamental & Turf Insecticide/Fungicide exam

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **Yes**
4. Clean up natural environment   **Yes**
5. Supports green services   **Yes**

Percent of course: 30%

First term to be offered:

Specify term: Spring 2022

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: April
Last Name: Chastain
Phone: 3055
Email: april.chastain

Course Prefix and Number: HOR - 263

 # Credits: 2

Contact hours

Lecture (# of hours):
Lec/lab (# of hours):
Lab (# of hours): 66
Total course hours: 66

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Plant Health Care Practicum

Course Description:

Experience with the implementation of basic requirements and techniques employed by Plant Health Care Technicians who work on tree crews. Covers personal protective equipment, safe operation, routine maintenance and common techniques in accordance with current industry standards. Students will perform ground related activities, gaining experience in spray techniques, chipper operation, driving truck with chipper, interpretation of water audits, hazard tree identification, evaluation of key plants in the landscape, fertilization, customer education/communication and work site management. Class is a lab.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Arboriculture AAS

Are there prerequisites to this course?

Yes

Pre-reqs: HOR-115, HOR-120, HOR-131, HOR-216, HOR-236, and HOR-237

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. perform and evaluate timely plant health care practices, including tree pruning and removal;
2. perform ground operations required for tree pruning and removal;
3. perform appropriate site management practices;
4. demonstrate competency with use of hydraulic sprayer;
5. demonstrate competency with use of chipper apparatus;
6. explain to a potential customer the value of preventative vs. reactive plant health care practices.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Plant Health Care (IPM) Practices
a. Structural training of young trees
b. Safe tree removal in urban settings
c. Maintenance pruning of trees and shrubs to improve health
d. Tree and shrub fertilization and soil amendment techniques
e. Tree injection techniques
f. Tree and shrub spraying techniques for pest problems
g. Soil compaction modification approaches
h. Tree planting technique – bare root, ball and burlap, container
i. Tree protection practices at construction sites
2. Site Assessment Practices
a. Plant Health Care site inspections, treatments and reports
b. Electrical hazard awareness when working with trees
c. Hazard tree identification
d. Evaluation of key plants in landscape
e. Water audit interpretation
3. Perform Worksite Management Activities
a. Personal protective equipment
b. Hazard awareness
c. Staging the site
d. Communication between ground & aerial workers
e. Communication with public near work area
f. Protection of non-target items
g. Traffic & noise considerations

4.Perform Safe Equipment Operation
a.Chainsaw
b.Chipper
c.Truck & trailer
5.Practice Customer Interaction
a.Convey understandable Plant Health Care information to customer
b.Market strategies for Plant Health Care practices

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **Yes**
4. Clean up natural environment   **Yes**
5. Supports green services   **Yes**

Percent of course: 30%

First term to be offered:

Specify term: Spring 2022

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Melinda
Last Name: Nickas
Phone: 3600
Email: mnickas

Course Prefix and Number: MTH - 211

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Fundamentals of Elementary Math I

Course Description:

A course designed to teach students to understand the basic concepts of mathematics and provide ideas for teaching these concepts to elementary school children. Focuses on math anxiety and mindset, problem-solving, and arithmetic. MTH-211, 212, and 213 can be taken in any order.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-095 with a C or better, or placement in MTH-111

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. make sense of problems and persevere in solving them;
2. construct viable arguments and critique the reasoning of others;
3. model with mathematics to represent physical situations and solve problems;
4. use appropriate tools strategically;
5. demonstrate abstract mathematical reasoning in the creation of examples and testing of solutions.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

P   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

C   1. Engage in ethical communication processes that accomplish goals.

C   2. Respond to the needs of diverse audiences and contexts.

C   3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

P   2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

P   1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**
                                   ✓ **Writing Assignments**
✓ **Presentations**

✓ **Rubrics**
✓ **Journal Writing**

:

Major Topic Outline:

Major topic outline:
1. Growth Mindset as it applies to math
2. Math anxiety
3. Problem solving strategies
4. Whole numbers and numeration systems
5. Ancient numeration systems
6. Grouping and number bases
7. Models for addition, subtraction, multiplication and division algorithms
8. Number properties

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)** ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH 211
EOU: MATH 211
OIT: MATH 211
SOU: MTH 211
UofO: MATH 2MQT
WOU: MTH 211
OSU: MTH 211

How does it transfer? (Check all that apply)

✓ **required or support for major**

:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Prerequisite course for teaching programs at most colleges and universities

First term to be offered:

Specify term: Fall 2019

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Melinda
Last Name: Nickas
Phone:　　　3600
Email:　　　mnickas

Course Prefix and Number: MTH - 212

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours:　44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Fundamentals of Elementary Math II

Course Description:

A course designed to teach students to understand the basic concepts of mathematics and provide ideas for teaching these concepts to elementary school children. Focuses on fractions, ratios, percents, and algebraic patterns. MTH-211, 212, and 213 can be taken in any order.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-095 with a C or better, or placement in MTH-111

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. make sense of problems and persevere in solving them;
2. construct viable arguments and critique the reasoning of others;
3. model with mathematics to represent physical situations and solve problems;
4. use appropriate tools strategically;
5. demonstrate abstract and quantitative mathematical reasoning by creating examples, testing solutions, and using appropriate notation.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

P   1. Engage in ethical communication processes that accomplish goals.

P   2. Respond to the needs of diverse audiences and contexts.

P   3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

P   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

P   2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

P   1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**
                                   ✓ **Writing Assignments**
✓ **Presentations**

✓ **Rubrics**
✓ **Journal Writing**

:

Major Topic Outline:

Major Topic Outline
1. Number theory
2. Fractions
3. Ratios and rates
4. Proportions and percents
5. Patterns and algebraic thinking

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
                                               ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
                                               ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH 212
EOU: MATH 212
OIT: MTH 212

SOU: MTH 212
UofO: MATH 2MQT
WOU: MTH 212
OSU: MTH 212

How does it transfer? (Check all that apply)

√ **required or support for major**

:

Provide evidence of transferability: (minimum one, more preferred)

√ **Other. Please explain.**

Same as 211 - prerequisite course for teacher education programs

First term to be offered:

Next available term after approval

:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Melinda
Last Name: Nickas
Phone: 3600
Email: mnickas

Course Prefix and Number: MTH - 213

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Fundamentals of Elementary Math III

Course Description:

A course designed to teach students to understand the basic concepts of mathematics and provide ideas for teaching these concepts to elementary school children. Focuses on geometry. MTH-211, 212, and 213 can be taken in any order.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-095 with a C or better, or placement in MTH-111

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. make sense of problems and persevere in solving them;
2. construct viable arguments and critique the reasoning of others;
3. model with mathematics to represent physical situations and solve problems;
4. use appropriate tools strategically;
5. demonstrate abstract and quantitative mathematical reasoning by creating examples, testing solutions, and using appropriate notation.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

P   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

P   1. Engage in ethical communication processes that accomplish goals.

          2. Respond to the needs of diverse audiences and contexts.

P   3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

P   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

          2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

          1. Apply analytical skills to social phenomena in order to understand human behavior.

P   2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

P   1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

          2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

          3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**

✓ **Presentations**

✓ **Rubrics**
✓ **Journal Writing**

:

Major Topic Outline:

Major Topic Outline
1. Sets and their elements
2. Geometry

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**
✓ **UO (University of Oregon)**
✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH 213
EOU: MATH 213
OIT: MTH 213
SOU: MTH 213
UofO: MATH 2MQT

WOU: MTH 213
OSU: MTH LDT

How does it transfer? (Check all that apply)

:

Provide evidence of transferability: (minimum one, more preferred)

✓ Other. Please explain.

same as 211-212: prerequisite for teacher education programs

First term to be offered:

Specify term: Spring 2019

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Berri
Last Name: Hsiao
Phone: 3542
Email: berri.hsiao

Course Prefix and Number: MTH - 251

 # Credits: 5

Contact hours

Lecture (# of hours): 55
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 55

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Calculus I

Course Description:

For science, engineering, and mathematics students, this is the first course in the four-term Calculus sequence. Focuses on the analysis of functions using limits and differential calculus. Emphasis on applying calculus concepts and techniques to model and solve appropriate real-world applications.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-112 with a C or better, or placement in MTH-251

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. determine limits numerically, graphically, and algebraically; (MA1) (MA2)
2. demonstrate understanding of the limit definition of the derivative and its interpretation as an instantaneous rate of change; (MA1) (MA2)
3. demonstrate understanding of the derivative as a function and use the local linearity of functions to obtain approximations from the derivative; (MA1) (MA2)
4. apply techniques of differentiation by choosing the appropriate derivative rule for the appropriate type of function; (MA1)
5. interpret the meaning of the first and second derivatives in various scenarios, and use technology to investigate and verify; (MA2)
6. use the first and second derivative in problem solving that requires sustained reasoning and technology to reach successful conclusions. (MA2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

    1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

    2. Locate, evaluate, and ethically utilize information to communicate effectively.

    3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

    1. Engage in ethical communication processes that accomplish goals.

    2. Respond to the needs of diverse audiences and contexts.

    3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

    1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

    2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

    1. Apply analytical skills to social phenomena in order to understand human behavior.

    2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

    1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

    2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

    3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ General Examination

✓ Other Assessment Tools: Problem Sets, Quizzes

Major Topic Outline:

1. Limits
a. Graphically
b. Numerically
c. Algebraically
2. Differentiation
a. Instantaneous rate of change
b. Difference quotient
c. Differentiability vs. Continuity
d. Derivative as a function
3. Symbolic differentiation
a. Product rule
b. Quotient rule
c. Chain rule
d. Implicit differentiation
4. Using the derivative
a. Critical Values
b. Local and Global Extrema
c. Inflection points
d. Concavity
5. Applications of Differentiation
a. Optimization
b. Related Rates

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)** ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH 251
EOU: MATH 251
OIT: MATH 251
SOU: MTH 251
UO: MATH 251
WOU: MTH 251
OSU: MTH 251

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Transfer tools at university websites

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Stefan
Last Name: Baratto
Phone: 3325
Email: sbaratto

Course Prefix and Number: MTH - 252

 # Credits: 5

Contact hours

Lecture (# of hours): 55
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 55

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Calculus II

Course Description:

For science, engineering, and mathematics students, this is the second course in the four-term Calculus sequence. Focuses on understanding integral calculus and using anti-differentiation techniques. Emphasis on applying the calculus to model and solve appropriate real-world applications.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-251 with a C or better

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. use graphical, numerical, and analytical techniques to construct a function from its derivative; (MA1) (MA2)
2. use Riemann sums to approximate the area under a curve both numerically and graphically; (MA1)
3. apply appropriate integration techniques to find the antiderivatives of a function; (MA2)
4. use the Evaluation Theorem and the Fundamental Theorem of Calculus to evaluate integrals; (MA1)
5. sketch two- and three-dimensional regions and use integral calculus to model and determine the area or volume of such regions; (MA1) (MA2)
6. model and evaluate the average value and arc length of a function over an interval; (MA1) (MA2)
7. use integral calculus to model and solve applications in physics, engineering, health sciences, business, or probability and interpret the results in the context of the application. (MA1) (MA2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

2. Locate, evaluate, and ethically utilize information to communicate effectively.

3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**

✓ **Other Assessment Tools**: Problem Sets, Quizzes

Major Topic Outline:

1. Antidifferentiation
a. Constructing a function from its derivative
b. Riemann sums
c. Antiderivatives
d. Substitution
e. Integration by parts
2. Integration
a. The Fundamental Theorem of Calculus
b. Area under a curve
c. Definite and indefinite integrals
d. Improper integrals
3. Applications of the definite integral.
a. Area between two curves
b. Average value of a function
c. Volume by discs and washers
d. Arc length
e. Modeling and solving real-world applications

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ EOU (Eastern Oregon University)　　　**✓ PSU (Portland State University)**
✓ OIT (Oregon Institute of Technology)　**✓ SOU (Southern Oregon University)**
✓ OSU (Oregon State University)　　　　**✓ UO (University of Oregon)**
✓ OSU-Cascade　　　　　　　　　　　　**✓ WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH 252
EOU: MATH 252
OIT: MATH 252 and MASC 000
SOU: MTH 252
UO: MATH 252
WOU: MTH 252
OSU: MTH 252

How does it transfer? (Check all that apply)

✓ required or support for major
✓ general education or distribution requirement

:

Provide evidence of transferability: (minimum one, more preferred)

✓ Other. Please explain.

Transfer tools at university websites

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: World Languages

Submitter

First Name: Irma
Last Name: Bjerre
Phone: 3245
Email: irmab@clackamas.edu

Course Prefix and Number: SPN - 213

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Intermediate Spanish Conversation

Course Description:

Continues the improvement of intermediate-level Spanish conversation through the discussion of readings and situations related to selected special topics (which vary from term to term). Spanish culture related to the topics will be included. Simulated role plays are also used to practice conversational strategies for use in real-life situations. The emphasis in this course is in helping students to gain confidence in their communication skills.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: SPN-203 or SPN-211 or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Basic knowledge of the Spanish language

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. discuss readings from various media (magazines, newspapers, journals, etc) related to selected special topics;
2. role play situations using the correct vocabulary and expressions related to the purpose;
3. recognize and use words and phrases that are appropriate to specific settings and situations;
4. talk with confidence about studies and work;
5. recognize appropriate terms and expressions used in various Spanish-speaking countries;
6. maintain a conversation at at intermediate level on familiar topics;
7. demonstrate more fluency and confidence in their oral Spanish skills in general.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Examination of social issues of the Spanish-speaking world.
2. Examination of economic issues of the Spanish-speaking world.
3. Examination of political issues of the Spanish-speaking world.
4. The contrast and comparison of Hispanic-American culture and the culture of the U.S.
5. Consideration of linguistic and cultural variations within Hispanic countries and regions.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a

new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **OSU (Oregon State University)**

✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**
✓ **UO (University of Oregon)**
✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

OSU SPN LDT
PSU SPAN LD
SOC SPAN LDT
UO SPAN 2AAT
WOU SPAN L/D ELECTIVE TRAN

How does it transfer? (Check all that apply)

✓ **general elective**
:

First term to be offered:

Specify term: Spring 2020

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Matt
Last Name: Warren
Phone: 6199
Email: matthew.warren

Course Prefix and Number: WR - 148

 # Credits: 1

Contact hours

Lecture (# of hours): 11
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 11

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Self-Publishing: Design and Layout

Course Description:

This course will offer a hands-on approach to using book design software. The goal of this class is to introduce students to design, layout, and production techniques that will enable them to publish their own material.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. organize and prepare source files for book design and production process;
2. conduct basic research of genre-specific book design conventions;
3. demonstrate an understanding of copyright and creative common use on the internet;
4. effectively use digital tools such as book layout and image editing software to produce print-ready book design files;
5. problem solve editing, layout, and production issues that may occur in the creation of a book design.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Manuscript design.
2. Introduction to layout software.
3. Manuscript layout.
4. Manuscript production.
5. Manuscript distribution.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

√ **general elective**
:

First term to be offered:

Specify term: Spring 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Ryan
Last Name: Davis
Phone: 3258
Email: ryand

Course Prefix and Number: WR - 240

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Creative Nonfiction Writing I

Course Description:

Techniques of writing and analyzing types of creative nonfiction such as literary journalism, memoirs, nature or science writing, travel writing, and personal essays.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

✓ **Cultural Literacy**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: WRD-098 or placement in WR-121

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. discuss and analyze a variety of creative nonfiction; (AL1)
2. apply professional creative nonfiction writing techniques in their own writing; (AL2)
3. write on a variety of creative nonfiction topics and explore various genres, such as literary journalism, memoirs, nature or science writing, travel writing, and personal essays; (AL1) (AL2)
4. draft, revise, and edit their own and others' work; (AL2)
5. respond constructively to peer and instructor feedback; (AL2)
6. display an understanding of the broader political, ethical, cultural, global, and local themes, issues, and implications of creative nonfiction writing; (AL1)
7. incorporate research into their creative work; (AL1) and
8. use their new knowledge of creative nonfiction to enhance their appreciation of the world's diversity and enrich their lives. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

P   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

S   1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**
                                   ✓ **Writing Assignments**
✓ **Presentations**

                                   ✓ **Portfolios**

✓ **Journal Writing**

:

Major Topic Outline:

1. Writing Projects.
a. Assignments, exercises, and discussions designed to explore the process of composing creative nonfiction:
a1. Memoirs and Personal Essays.
a2. Nature and Science Writing.
a3. Literary Journalism.
a4. Travel Writing.
2. Editing Workshops.
3. Readings.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
                                        ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

OSU, WR 340
PSU, WR 214
UO, CRWR 244
WOU, WR 363

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

First term to be offered:

Specify term: Spring 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Trevor
Last Name: Dodge
Phone: 3259
Email: trevord

Course Prefix and Number: WR - 241

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Fiction Writing I

Course Description:

Introduction to the theory, art and creative practice of fiction writing, with specific emphasis on short prose forms.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

✓ **Cultural Literacy**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: WRD-098 or placement in WR-121

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**
✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate the ability to write and revise fiction; (AL1) (AL2) (CL1)
2. develop an awareness of the diversity of expression in short fiction; (AL2) (CL1)
3. develop short story criticism based on fundamental criteria; (AL1)
4. participate in the process of peer critiquing of student material; (AL1) (AL2) (CL1)
5. recognize and employ the elements of fiction including plot, characterization, conflict, theme, etc.; (AL1)
6. examine different styles in fiction and develop their own styles; (AL2) (CL1)
7. participate in the literary and publishing world through various venues, such as live readings, video and audio recordings, and the internet; (AL2) (CL1)
8. apply their editing skills toward their own work; (AL1)
9. develop insightful personal, imaginative, and scholarly responses to creative work. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

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- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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As a result of completing the AAOT/ASOT general education requirements, students will be able to:

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P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

P   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

S　　1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **General Examination**　　　　✓ **Projects**

✓ **Writing Assignments**

✓ **Presentations**

✓ **Portfolios**

✓ **Journal Writing**

:

Major Topic Outline:

1. History and theory of the American short story

2. Peer critique and creative community building

3. Introduction to literary analysis

4. Crafting, drafting, revising and performing a literary text

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**　　✓ **PSU (Portland State University)**

✓ **SOU (Southern Oregon University)**

✓ **OSU (Oregon State University)**　　✓ **UO (University of Oregon)**

✓ **OSU-Cascade**　　　　　　　　✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

Introduction to creative writing (fiction)

How does it transfer? (Check all that apply)   6/6

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**
✓ **Other. Please explain.**

existing CCC English department articulation agreements with corresponding English departments at Portland State University, Oregon State University, and the University of Oregon (A.S. Degree)

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Sue
Last Name: Mach
Phone: 3262
Email: suema

Course Prefix and Number: WR - 243

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Playwriting I

Course Description:

Designed for students who wish to be introduced to the craft of playwriting, including the art of dialogue and the elements of dramatic structure.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

Yes

Up to how many credits can this course be repeated to satisfy a degree requirement? 8

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ Arts and Letters

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**
3/6

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate an understanding of dramatic conflict; (AL1)
2. build dramatic scenes based on writing prompts; (AL1)
3. create believable dialogue and effective characterization; (AL1)
4. implement the elements of a short play, including theme, situation, and character into a dramatic scenario; (AL1)(AL2)
5. examine various theatrical styles; (AL1) AL2)
6. apply methods of script revision with an eye toward production; (AL1)(AL2)
7. analyze a script, and participate and respond to peer editing; (AL1)(AL2)
8. create a script that meets the demands of production–working with actors, producers, and directors. (AL1)(AL2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

P   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

     1. Engage in ethical communication processes that accomplish goals.

     2. Respond to the needs of diverse audiences and contexts.

     3. Build and manage relationships.

MA: Mathematics Outcomes:

     1. Use appropriate mathematics to solve problems.

     2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

     1. Apply analytical skills to social phenomena in order to understand human behavior.

     2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

     1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

     2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

     3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

    1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **Projects**
✓ **Writing Assignments**
✓ **Presentations**
✓ **Thesis/Research Project**

✓ **Portfolios**

✓ **Performances/Simulation**
:

Major Topic Outline:

1. Dramatic conflict.
2. Dialogue.
3. Elements of drama.
4. Production demands.
5. Script analysis.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

    1. Is there an equivalent lower division course at the University?
    2. Will a department accept the course for its major or minor requirements?
    3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Trevor
Last Name: Dodge
Phone: 3259
Email: trevord

Course Prefix and Number: WR - 244

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Fiction Writing II

Course Description:

For students with previous writing experience who wish to learn advanced techniques in the theory, art and creative practice of fiction writing. Specific emphasis on the creation and revision of short prose forms, with focused attention on their publication and distribution.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

✓ **Cultural Literacy**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: WR-241

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. hone the skills of writing fiction and develop a unique voice; (AL1)
2. develop the confidence and passion to write independently of a formal setting; (AL1)
3. analyze and practice the language, devices, and styles of fiction; (AL1) (AL2) (CL1)
4. participate with greater specificity in the process of peer critiquing of student material; (AL2) (CL1)
5. experiment with a variety of forms and media; (AL1) (AL2) (CL1)
6. engage the professional realm of fiction by attending or giving a reading and by exploring on land and online publishing; (AL1) (AL2) (CL1)
7. develop insightful personal, imaginative, and scholarly responses to creative work. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

S   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

S   2. Locate, evaluate, and ethically utilize information to communicate effectively.

S   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

     1. Engage in ethical communication processes that accomplish goals.

     2. Respond to the needs of diverse audiences and contexts.

     3. Build and manage relationships.

MA: Mathematics Outcomes:

     1. Use appropriate mathematics to solve problems.

     2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

     1. Apply analytical skills to social phenomena in order to understand human behavior.

     2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

     1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

     2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

     3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

S 1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**
                             ✓ **Writing Assignments**
✓ **Presentations**
✓ **Thesis/Research Project**
                             ✓ **Portfolios**

✓ **Journal Writing**

:

Major Topic Outline:

1. Creative community building: the writing workshop

2. Critical analysis of published short stories and novels

3. The publishing world: querying agents and publishers; self-publishing; traditional vs electronic distribution

4. Literary magazine culture

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
                                        ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

intermediate creative writing (fiction)

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**
✓ **Other. Please explain.**

existing CCC English department articulation agreements with corresponding English departments at Portland State University, Oregon State University, and the University of Oregon (A.S. Degree)

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Reject 　 Publish

Section #1 General Course Information

Department: English

Submitter

First Name: Amanda
Last Name: Coffey
Phone: 3257
Email: amandac

Course Prefix and Number: WR - 245

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Poetry Writing II

Course Description:

For students with writing experience who wish to learn advanced techniques of writing poetry, including developing voice and style and exploring publishing.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): AS Degree in English

Are there prerequisites to this course?

Yes

Pre-reqs: WR-242

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. hone the skills of writing poetry and develop their unique poetic voice; (AL1)
2. develop the proficiency to write independently of a formal setting; (AL1)
3. analyze and practice the language, devices, and styles of poetry; (AL2)
4. participate with greater specificity in the process of peer critiquing of student material;
5. experiment with a variety of forms and media;
6. engage the professional realm of poetry by attending or giving a reading and by exploring on land and online publishing; (AL1)
7. develop insightful personal, imaginative, and scholarly responses to creative work. (AL1) (AL2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

　　1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

　　2. Locate, evaluate, and ethically utilize information to communicate effectively.

　　3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

　　1. Engage in ethical communication processes that accomplish goals.

　　2. Respond to the needs of diverse audiences and contexts.

　　3. Build and manage relationships.

MA: Mathematics Outcomes:

　　1. Use appropriate mathematics to solve problems.

　　2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

C　　1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

C　　2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

　　1. Apply analytical skills to social phenomena in order to understand human behavior.

　　2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

　　1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

　　2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

　　3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **Projects**
✓ **Writing Assignments**

✓ **Presentations**

✓ **Portfolios**

✓ **Rubrics**

:

Major Topic Outline:

1. Many different prompts, readings, and techniques will stimulate students to write new poems while individual and group work in analyzing and developing craft will help students revise their poems in order to send them out for publication. (AL1)
2. Students will analyze a variety of forms, both traditional and non-traditional, and develop their own voice.(AL1) (AL2)
3. They will prepare poems for submission for publication. (AL1)

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency　　　　**No**
2. Produce renewable energy　　　　**No**
3. Prevent environmental degradation　　**No**
4. Clean up natural environment　　　**No**
5. Supports green services　　　　　**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

✓ **OSU (Oregon State University)**　✓ **UO (University of Oregon)**

Identify comparable course(s) at OUS school(s)

OSU: WR341 Poetry Writing
PSU: WR313 Intermediate Poetry Writing
OU: CRWR330 Intermediate Poetry Writing

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**

First term to be offered:

Specify term: Spring 2020

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Sue
Last Name: Mach
Phone: 3262
Email: suema@clackamas.edu

Course Prefix and Number: WR - 247

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Playwriting II

Course Description:

This course will continue to cover the narrative and dramatic techniques begun in Introduction to Playwriting. Students will create and workshop a one-act play, and explore avenues for future production.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

Yes

Up to how many credits can this course be repeated to satisfy a degree requirement? 8

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ Arts and Letters

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: WR-243 or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. analyze and apply dramatic structure; (AL 1) (WR 1)
2. collaborate with other theatre artists; (AL 1)
3. evaluate and respond to peer feedback; (AL 1) (WR 1)
4. revise work to most effectively tell a story; (AL 1) (WR 1) (WR 3)
5. stage a public reading of their work; (AL 1) (WR 2)
6. evaluate and respond to audience feedback. (WR 1) (WR 3)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

      3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

      1. Engage in ethical communication processes that accomplish goals.

      2. Respond to the needs of diverse audiences and contexts.

      3. Build and manage relationships.

MA: Mathematics Outcomes:

      1. Use appropriate mathematics to solve problems.

      2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

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SS: Social Science Outcomes

      1. Apply analytical skills to social phenomena in order to understand human behavior.

      2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

      1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

      2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

      3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **Presentations**

✓ **Criteria**
✓ **Rubrics**

✓ **Performances/Simulation**
:

✓ **Projects**
✓ **Writing Assignments**
✓ **Industry Standards**

✓ **Portfolios**

Major Topic Outline:

1. Understanding Dramatic Structure.

2. Completing a one-act play.

3. Responding to feedback.

4. Revising a play.

5. Staging a reading.

6. Marketing a script.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**
✓ **Other. Please explain.**

Articulation agreements, A.S. Transfer degree

First term to be offered:

Next available term after approval
:

Clackamas Community College

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Section #1 General Course Information

Department: English

Submitter

First Name: Sue
Last Name: Mach
Phone: 3262
Email: suema

Course Prefix and Number: WR - 263

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Screenwriting II

Course Description:

This course offers an expansion of fundamental skills initiated in Introduction to Screenwriting. Students will construct a feature-length screenplay, further develop their critical response skills through peer editing and review, and seek options for production of their work. May be repeated for up to 8 credits.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

Yes

Up to how many credits can this course be repeated to satisfy a degree requirement? 8

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ Arts and Letters

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): A.S. Degree in English

Are there prerequisites to this course?

Yes

Pre-reqs: WR-262 or Student Petition

Have you consulted with the appropriate chair if the pre-req is in another program?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Not every year

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. research ideas and incorporate them into an intriguing story; (AL1) (AL2)
2. recognize the fundamental process of how a movie gets made; (AL1)
3. create a dramatically well-structured story; (AL2)
4. construct and present a screenplay draft in industry standard format; (AL1) (AL2)
5. respond to peer and instructor feedback; (AL1) (AL2)
6. complete a feature-length, production-ready screenplay. (AL1) (AL2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES
COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

P   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P   2. Locate, evaluate, and ethically utilize information to communicate effectively.

     3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

     1. Engage in ethical communication processes that accomplish goals.

     2. Respond to the needs of diverse audiences and contexts.

     3. Build and manage relationships.

MA: Mathematics Outcomes:

     1. Use appropriate mathematics to solve problems.

     2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

     1. Apply analytical skills to social phenomena in order to understand human behavior.

     2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

     1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

     2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

     3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

     1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **Projects**
✓ **Writing Assignments**

✓ **Presentations**

✓ **Criteria**
       ✓ **Portfolios**
✓ **Rubrics**

✓ **Performances/Simulation**
:

Major Topic Outline:

1. Turning ideas into a story.
2. Developing a story that speaks to the human condition.
3. Script outlining.
4. Scene development.
5. Story Creation.
6. Peer editing.
7. Rewriting.
8. Script presentation.
9. Script optioning.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

✓ **UO (University of Oregon)**

✓ **OSU (Oregon State University)**
✓ **OSU-Cascade**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

PSU catalog check, A.S. degree transfer agreements

First term to be offered:

Specify term: Spring 2020

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Sue
Last Name: Mach
Phone: 3262
Email: suema

Course Prefix and Number: WR - 265

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Digital Storytelling

Course Description:

Digital Storytelling is a contemporary expression of the ancient art of storytelling. In this class students will write and create unique digital first person narratives using cloud-based editing tools, photographic and film images, music, and voice. Students will further become active participants in both local and global communities of storytellers.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): A.S. Degree in English

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121.

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. create concise narratives that express a unique first-person point of view; (AL1) (AL2)
2. effectively use digital tools such as editing and sound software to tell a story; (AL1)
3. demonstrate an understanding of copyright and creative common use on the Internet; (AL2)
4. engage in a local and global community of storytellers; (AL2)
5. problem solve writing, editing and distribution issues that may occur in the creation of a digital story. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

S   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

S   2. Locate, evaluate, and ethically utilize information to communicate effectively.

S   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

    1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

          ✓ **Projects**
          ✓ **Writing Assignments**
✓ **Presentations**
✓ **Thesis/Research Project**

✓ **Journal Writing**

:

Major Topic Outline:

1. Point of View.
2. Story Structure.
3. Emotional Content.
4. Voice.
5. Soundtrack.
6. Economy and Pacing.
7. Copyright and Distribution.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
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3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

          ✓ **PSU (Portland State University)**

✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Correspondence with receiving institution (mail, fax, email, etc.)**

First term to be offered:

Specify term: Winter 2021

How does it transfer? (Check all that apply)

✓ **required or support for major**

Clackamas Community College

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Section #1 General Course Information

Department: English

Submitter

First Name: Ryan
Last Name: Davis
Phone: 3258
Email: ryand

Course Prefix and Number: WR - 268

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Creative Nonfiction Writing II: Nature Writing

Course Description:

Explores topics having to do with nature and the environment. Using a workshop format, students will develop the technique of nature writing, focusing on literary journalism, memoir, personal essay, travel writing, and poetry.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

Yes

Check which General Education requirement:

✓ Arts and Letters

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): AS in English degree

Are there prerequisites to this course?

Yes

Pre-reqs: WRD-098 or placement in WR-121

Have you consulted with the appropriate chair if the pre-req is in another program? Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ **Spring**
✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. discuss and analyze a variety of nature literature; (AL1)
2. apply professional nature writing techniques in their own writing; (AL2)
3. write on a variety of nature topics and explore various genres, such as literary journalism, memoir, personal essay, travel writing, and poetry; (AL1) (AL2)
4. draft, revise, and edit their own and others' work; (AL2)
5. display an understanding of the broader political, ethical, cultural, global, and local themes, issues, and implications of nature writing; (AL1)
7. incorporate research into their creative work; (AL1) and
8. use their new knowledge of nature writing to enhance their appreciation of the world's diversity and enrich their lives. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

2. Locate, evaluate, and ethically utilize information to communicate effectively.

3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

:

Major Topic Outline:

1. Literary Journalism.
2. Memoir.
3. Personal Essay.
4. Travel Writing.
5. Poetry.
6. Workshops.
7. Final Portfolio.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **general elective**

:

Provide evidence of transferability: (minimum one, more preferred)

First term to be offered:

Specify term: Spring

✓ **general elective**

:

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: English

Submitter

First Name: Nicole
Last Name: Rosevear
Phone: 6120
Email: nicolero

Course Prefix and Number: WR - 270

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Creative Nonfiction Writing II: Food Writing

Course Description:

Learn to write uniquely and powerfully about food, from recipes to reviews to personal narrative. Bring the pen to the plate and vice versa, enriching your appreciation for sustenance and sentences at the same time.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. discuss and analyze a variety of literature about food; (AL1)
2. apply professional food writing techniques in their own writing; (AL2)
3. write on a variety of food topics and explore various genres; (AL1) (AL2)
4. draft, revise, and edit their own and others' work; (AL2)
5. write powerfully and creatively about food and related topics; (AL1) (AL2)
6. analyze food's seemingly mundane daily role, as well as its broader political, cultural, global, and ethical implications; (AL1)
7. incorporate research into their creative work; (AL1)
8. use their new knowledge of food and food literature to enhance their appreciation of the world's diversity and enrich their lives. (AL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES
COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
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As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

S   1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

S   2. Locate, evaluate, and ethically utilize information to communicate effectively.

S   3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

P   2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

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SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

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SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

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3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

> 1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

<div align="center">

✓ **Writing Assignments**

✓ **Portfolios**

</div>

:

Major Topic Outline:

1. Defining and examining history of food writing.
2. Exploring broader contexts and implications around food.
3. Sensory description.
4. Recipe (head notes, conventions, accurate directions, side panel).
5. Food Review (description and evaluation of a restaurant, meal, appliance, cookbook, film, or tool).
6. Food Narrative or Memoir (personal story related to food).

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

> 1. Is there an equivalent lower division course at the University?
> 2. Will a department accept the course for its major or minor requirements?
> 3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

This course is an elective for our A.S. Degree.

First term to be offered:

Next available term after approval

:

Course Number	Title	Related Instruction Area
MTH-243	Statistics I	Computation
MTH-244	Statistics II	Computation
MTH-253	Calculus III	Computation
MTH-256	Differential Equations	Computation
COMM-218	Interpersonal Communication	Human Relations
HPE-295	Health & Fitness for Life	Physical Education/Health
PE-260	Care and Prevention of Athletic Injuries	Physical Education/Health

Clackamas Community College

Online Course/Outline Submission System

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Date approved: November 20, 2020 Certified General Education Area(s): Mathematics

Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Carrie
Last Name: Kyser
Phone: 3328
Email: carriek

Course Prefix and Number: MTH - 243

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Statistics I

Course Description:

An introduction to Descriptive and Inferential Statistics explores how data summaries are produced so that we can better understand the data-based information that we encounter in our lives and careers. In this exploration, we will touch on the topics of graphical depictions and verbal descriptions of datasets, discrete and continuous probability models including binomial and normal distributions, sampling distributions, introduction to inferential statistics, and confidence intervals.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ Mathematics

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-105 or MTH-111 with a C or better, or placement in MTH-243

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. interpret numerical information and use it to inform and build knowledge with others; (MA2)
2. use the forms, structures, and vocabulary of statistics to organize real-world phenomena in quantitative terms; (MA1, MA2)
3. confidently engage with scenarios involving data and their graphical representations. (MA1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

2. Locate, evaluate, and ethically utilize information to communicate effectively.

3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**   ✓ **Projects**
✓ **Writing Assignments**

✓ **Portfolios**

✓ **Pre-Post Assessment**

:

Major Topic Outline:

1. Numerical and categorical data
2. Representativeness, randomness, and design of studies
3. Summarizing data: shape, center, spread
4. Using graphs to describe data, including normal distributions
5. Making predictions
a. Univariate and Bivariate Data
b. Probability in one- and two-way tables
c. Regression
d. Correlation and Independence
6. Theoretical Distributions
a. Developing models to compare our data to theoretical distributions
b. Binomial distributions
c. Normal distributions
d. Simulations
e. Informal inference
7. Drawing conclusions about a population from a sample
a. Sample size
b. Randomness
c. Exploration of variability between samples through simulation
d. Central Limit Theorem for numerical and categorical data
e. Confidence Intervals

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)** ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

All OUS will take Math 243, some require 244 for equivalency

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Equivalency guides on OUS institutions' websites

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Date approved: December 4, 2020 Certified General Education Area(s): Mathematics

Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Amy
Last Name: Brandenburg
Phone: 3536
Email: amy.brandenburg

Course Prefix and Number: MTH - 244

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Statistics II

Course Description:

The tools learned in Statistics I are purposed for inference of data via the use of hypothesis tests and confidence intervals for both one and two populations, linear regression, and chi-square tests.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-243 with a C or better

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. analyze raw and summarized data to make inferences, then use these inferences to inform and build knowledge with others; (MA1)
2. identify appropriate techniques of inference for an array of complex situations; (MA1)
3. confidently engage with scenarios involving data, their graphical representations, and implications; (MA2)
4. construct viable arguments about inference and critique the reasoning of others. (MA2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

2. Locate, evaluate, and ethically utilize information to communicate effectively.

3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **Projects**
✓ **Writing Assignments**

✓ **Presentations**

:

Major Topic Outline:

1.Estimating Proportions using Confidence Intervals
a. Overview of Confidence Intervals
b. Finding a Confidence Interval for a Population Proportion
c. Confidence Interval for the Difference in Two Population Proportions
d. Using Confidence Intervals in Decision-Making

2. Estimating Means using Confidence Intervals
a. Finding a Confidence Interval for a Population Mean
b. Studentized vs Normalized Critical Values
c. Confidence Intervals for the Population Mean of Paired Differences
d. Confidence Interval for the Difference in Two Population Means
e. Understanding Any Confidence Interval

3. An Overview of Hypothesis Testing
a. History of Hypothesis Test
b. The Meaning of the p-Value
c. The Meaning of the Critical Value
d. Studentized vs Normalized Critical Values
e. Statistical Significance
f. Type I and II Errors
g. Special Concerns for Hypothesis Testing: Sample Size, Statistical Significance, and Practical Importance
h. The Relationship Between Significance Tests and Confidence Intervals
i. Choosing an Appropriate Inference Procedure

4. Hypothesis Tests for Population Proportions
a. Testing Hypotheses about a Population Proportion
b. Testing Hypotheses about the Difference in Two Population Proportions
c. Inference of Given Data in Context

5. Hypothesis Tests for Population Means
a. Testing Hypotheses about one Population Mean
b. Testing Hypotheses about the Population Mean of Paired Differences
c. Hypothesis Testing about the Difference in Two Population Means
d. Inference of Given Data in Context

6. Linear Regression
a. Scatterplots
b. Regression Lines
c. Correlation
d. Correlation vs Causation
e. Sample and Population Regression Models
f. Inference about the Slope of a Linear Regression in context

7. Chi-Square Methods for Inference
a. The Chi-Square Test
b. Testing for Homogeneity of Proportions and for Independence

c. Fisher's Exact Test for Two-Way Tables
d. Testing for Goodness-of-Fit

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
                                        ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: STAT244
UO: MATH243
OSU: ST202
EOU: STAT LDT
OIT: MASC000 (Elective)
SOU: MTH243
WOU: MTH2XX (LD Elective)

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Course equivalency guides on institution sites

First term to be offered:

Next available term after approval

:

Clackamas Community College

Online Course/Outline Submission System

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Date approved: December 4, 2020 Certified General Education Area(s): Mathematics

Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Bruce
Last Name: Simmons
Phone: 3332
Email: bruces

Course Prefix and Number: MTH - 253

 # Credits: 5

Contact hours

Lecture (# of hours): 55
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 55

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Calculus III

Course Description:

Investigates indeterminate forms, improper integrals, convergence of sequences and series, power series, Taylor series and Taylor polynomials, error analysis of numerical estimates, complex numbers and the Euler formula, parametric equations, vectors, dot products, and the geometry of lines and planes in space.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-252 with a C or better

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. determine whether an infinite series converges or diverges, and use an appropriate test to confirm that assessment; (MA1) (MA2)
2. extend the notion of a function to embrace functions defined as power series, connecting the concept of convergence to the domain of a function; (MA1) (MA2)
3. perform all the calculus-based operations of analysis on such a function, such as derivatives and integrals; (MA1) (MA2)
4. use parametric equations and vectors to explore the geometry of three-dimensional space. (MA1) (MA2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES
COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

     1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

     2. Locate, evaluate, and ethically utilize information to communicate effectively.

     3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

     1. Engage in ethical communication processes that accomplish goals.

     2. Respond to the needs of diverse audiences and contexts.

     3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

     1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

     2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

     1. Apply analytical skills to social phenomena in order to understand human behavior.

     2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

     1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

     2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

     3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ **General Examination**

✓ **Other Assessment Tools**: Weekly problem sets

Major Topic Outline:

1. Indeterminate forms
2. Improper integrals
3. Sequences
4. Series
5. Series convergence tests
6. Analysis of functions represented as power series
7. Taylor series and Taylor polynomial approximations
8. Complex numbers
9. Parametric equations in two and three dimensions
10. Vectors and dot products
11. Lines and planes in two and three dimensions

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

Section #2 Course Transferability

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Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**   ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

MTH253 at all Oregon schools

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Transfer equivalency tools at institution websites

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Date approved: November 20, 2020 Certified General Education Area(s): Mathematics

Section #1 General Course Information

Department: Mathematics

Submitter

  First Name: Adam
  Last Name: Hall
  Phone: 3326
  Email: adamh

Course Prefix and Number: MTH - 256

 # Credits: 4

Contact hours

  Lecture (# of hours): 44
  Lec/lab (# of hours):
  Lab (# of hours):
  Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Differential Equations

Course Description:

This course is an introduction to the study of first-order differential equations, first-order systems of differential equations, linear systems of differential equations, and applications of these topics.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Mathematics**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-252 with a C or better

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ **Summer**

✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. utilize problem-solving techniques to engage problems without being provided a template; (MA1) (MA2)
2. collaborate effectively within a group to communicate mathematics; (MA2)
3. read and interpret mathematical information; (MA2)
4. communicate mathematical information in lay-language; (MA2)
5. model and solve real situations via differential equations and systems; (MA1) (MA2)
6. solve and approximate solutions to differential equations and systems using analytic, numeric, and graphical methods. (MA1) (MA2)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
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- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

    1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

    2. Locate, evaluate, and ethically utilize information to communicate effectively.

    3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

    1. Engage in ethical communication processes that accomplish goals.

    2. Respond to the needs of diverse audiences and contexts.

    3. Build and manage relationships.

MA: Mathematics Outcomes:

C   1. Use appropriate mathematics to solve problems.

C   2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

    1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

    2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

    1. Apply analytical skills to social phenomena in order to understand human behavior.

    2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

    1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

    2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

    3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

✓ General Examination

✓ Other Assessment Tools: Assignments

Major Topic Outline:

1. First-order differential equations
a. Modeling
b. Separation of variables
c. Slope fields
d. Euler's method
e. Equilibria and the phase line
f. Linear differential equations
2. First-order systems of differential equations
a. Modeling via systems
b. The geometry of systems
c. Analytic methods for special systems
d. Euler's method for systems
3. Linear systems of differential equations
a. Properties
b. Straight-line solutions
c. Phase planes for systems with real eigenvalues
d. Complex eigenvalues
e. Repeated and zero eigenvalues
f. Second-order linear equations
g. Damped simple harmonic motion
h. The trace-determinant plane
4. Forcing and resonance
a. Forced oscillators
b. Sinusoidal oscillators
c. Undamped forcing and resonance
5. Laplace transforms
a. Laplace transforms introduction
b. Discontinuous functions
c. Second-order equations

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a

new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**   ✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)**   ✓ **SOU (Southern Oregon University)**
✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**
✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

PSU: MTH256
UO: MATH256

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Because it is listed as a general education course for the AAOT, it will transfer to all state universities in Oregon.

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Date approved: November 20, 2020 Certified General Education Area(s): Arts and Letters, Cultural Literacy

Section #1 General Course Information

Department: COTA

Submitter

First Name: Alice
Last Name: Lewis
Phone: 3156
Email: alicel@clackamas.edu

Course Prefix and Number: COMM - 218

Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Interpersonal Communication

Course Description:

Analyzes the complexities of the interpersonal communication process in personal and professional settings. Subjects include self-concept, cultural identity, verbal and nonverbal messages, listening, conflict styles, and effective communication strategies.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

Yes

Check which General Education requirement:

✓ **Arts and Letters**

✓ **Cultural Literacy**

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: WRD-098 or placement in WR-121

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Human Relations

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Summer**
✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. break down and define key elements of the communication process and the complex socio-cultural factors that influence message delivery and interpretation; (AL1) (AL2) (CL1)
2. discuss how our interpersonal interactions inform our understanding of ourselves and others, including our self-concepts, attitudes, beliefs, values, and cultural identities; (AL1) (AL2) (CL1)
3. identify and engage in ethical communication strategies that accomplish goals for relationship development and maintenance, including effective verbal and nonverbal behavior, listening skills, and conflict management. (AL1) (AL2) (CL1)

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

    1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

    2. Locate, evaluate, and ethically utilize information to communicate effectively.

    3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

    1. Engage in ethical communication processes that accomplish goals.

    2. Respond to the needs of diverse audiences and contexts.

    3. Build and manage relationships.

MA: Mathematics Outcomes:

    1. Use appropriate mathematics to solve problems.

    2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

S   1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

S   2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

    1. Apply analytical skills to social phenomena in order to understand human behavior.

    2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

    1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

    2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

    3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

CL: Cultural Literacy Outcome

C   1. Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Outcomes Assessment Strategies:

✓ **General Examination**

✓ **Projects**
✓ **Writing Assignments**

✓ **Presentations**

✓ **Multiple Choice Test**

✓ **Criteria**
✓ **Rubrics**

:

Major Topic Outline:

1. Communication Process Models
2. Listening
3. Self-concept
4. Perception
5. Cultural identities
6. Self disclosure
7. Conflict management and reduction
8. Communication competence
9. Non-verbal versus verbal communication
10. Relational development, maintenance, and breakdowns

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **PSU (Portland State University)**
✓ **OIT (Oregon Institute of Technology)** ✓ **SOU (Southern Oregon University)**

✓ **OSU (Oregon State University)** ✓ **UO (University of Oregon)**
✓ **OSU-Cascade** ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

COMM218 Interpersonal Communication at PSU and OSU
COM112 Interpersonal Comm at WOU
COMM125 Interpersonal Comm at SOU

How does it transfer? (Check all that apply)

✓ **required or support for major**
✓ **general education or distribution requirement**
✓ **general elective**
:

Provide evidence of transferability: (minimum one, more preferred)

✓ **Other. Please explain.**

Verified transferability through listings on colleges' websites

First term to be offered:

Next available term after approval
:

Clackamas Community College

Online Course/Outline Submission System

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Date approved: December 4, 2020 Certified General Education Area(s): None

Section #1 General Course Information

Department: HLPE

Submitter

First Name: Paul
Last Name: Fiskum
Phone: 3272
Email: paulf

Course Prefix and Number: HPE - 295

 # Credits: 3

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 60
Lab (# of hours):
Total course hours: 60

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Health & Fitness for Life

Course Description:

This course explores interaction of the nine dimensions of wellness (health). All of the related assignments are online. Students will assess their level of the health related components of fitness and develop an exercise plan for maintenance/improvement. Students are expected to spend a minimum of 3 hours per week exercising. Related topics include: nutrition, stress reduction, relaxation techniques, goal setting, and weight control.

Type of Course: Lower Division Collegiate

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): General AAOT and Fitness Technology Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: A completed physical by a doctor

Requirements:

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Physical Education/Health

GRADING METHOD:

A-F Only

Audit: Yes

When do you plan to offer this course?

√ **Fall**
√ **Winter**
√ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. assess their current status for cardiorespiratory endurance, muscular strength/endurance, flexibility, and body composition;
2. assess their current nutritional and dietary practices;
3. assess their current energy expenditure status;
4. assess their current stress reaction status;
5. design a plan for improvement/maintenance of cardiorespiratory endurance, muscular strength/endurance, flexibility, and body composition;
6. design a personal nutritional and dietary pattern to improve wellness;
7. design a personal plan for alternative methods of dealing with stress.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Meaning of Wellness and level of functioning in all nine dimensions.
2. Cardiovascular, muscular strength/endurance, flexibility, and body composition functioning.
3. Activities for improving level of functioning in all areas.
4. Activities for improving personal status.
5. Weight control/body composition maintenance/improvement.
6. Stress management.
7. Health risk appraisal.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

Section #2 Course Transferability

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1. Is there an equivalent lower division course at the University?

2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**

✓ **PSU (Portland State University)**
✓ **SOU (Southern Oregon University)**

✓ **OSU (Oregon State University)**

✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

Fit for Life is a requirement for health and PE degrees.

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Next available term after approval
:

Clackamas Community College

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Date approved: December 4, 2020 Certified General Education Area(s): None

Section #1 General Course Information

Department: HLPE

Submitter

First Name: Kevin
Last Name: Arizo
Phone: 3270
Email: kevina

Course Prefix and Number: PE - 260

 # Credits: 2

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 44
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Care and Prevention of Athletic Injuries

Course Description:

This course introduces the concepts of sports medicine. The course will benefit those students interested in improving their own knowledge as a recreational athlete, or in career areas such as physical and health education, coaching, sports medicine, nursing, physical and occupational therapy. Taping techniques and rehabilitation methods of injury will be discussed and practiced.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

Yes

Area: Physical Education/Health

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate how to tape common sports-related injuries,
2. analyze and design a basic training program for athletes,
3. cognize and evaluate basic sports related injuries.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Ankle taping
2. Taping for a hyperextended thumb and wrist
3. Designing a basic training program for athletes
4. Taping an athlete for a fallen medial longitudinal arch
5. Basic sports related injuries

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

✓ **general elective**   4/4
:

First term to be offered:

Next available term after approval
:

Course Reactivations

January 29, 2021

Course Number	Title	Implementation
FRP-236	Heavy Equipment Boss (S-236)	2021/SP

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: FRP - 236

 # Credits: 2

Contact hours

Lecture (# of hours): 24
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 24

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Heavy Equipment Boss (S-236)

Course Description:

This course provides the student the knowledge and skills needed to maintain an effective heavy equipment operation with considerations for tactical use and safety precautions. The course includes a field exercise to reinforce what is discussed in the classroom.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Elective AAS Wildland Fire Management

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify the administrative duties and procedures required of a Heavy Equipment Boss (HEQB),
2. demonstrate the heavy equipment inspection process and related duties of an HEQB,
3. list the actions required of an HEQB to safely and effectively complete an assignment,
4. summarize relevant information and methods for communication and tactics related to heavy equipment,
5. identify the process of preparing for an all-hazard assignment.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Equipment administration.
2. Briefings and tactics.
3. Equipment identification.
4. Operational safety and risk management.
5. All hazard assignments.
6. Equipment inspection.
7. Field scenarios.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**Yes**	
4. Clean up natural environment	**Yes**	
5. Supports green services	**No**	

Percent of course: 20%

First term to be offered:

Next available term after approval
:

Course	Current Hours/Credits	Proposed Hours/Credits
NRS-221	33 LECT/3 Credits	44 LECT/4 Credits
NRS-221C	180 LAB/6 Credits	150 LAB/5 Credits
NRS-222	33 LECT/3 Credits	44 LECT/4 Credits
NRS-222C	180 LAB/6 Credits	150 LAB/5 Credits

Clackamas Community College

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Section #1 General Course Information

Department: HTHS

Submitter

First Name: Carol
Last Name: Dodson
Phone: 0654
Email: carold@clackamas.edu

Course Prefix and Number: NRS - 221

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Chronic Illness II and End of Life

Course Description:

This course builds on Foundations of Nursing in Chronic Illness I. Chronic Illness II expands the student's knowledge related to family care giving, symptom management and end of life concepts. These concepts are a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self-determination, and autonomy are explored. Complex skills associated with the assessment and management of concurrent illnesses and conditions are developed within the context of patient and family preferences and needs. Skills related to enhancing communication and collaboration as a member of an interprofessional team and across health care settings are further explored. Exemplars include patients with chronic mental illness and addictions as well as other chronic conditions and disabilities affecting functional status and family relationships. The course includes classroom and clinical learning experiences.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Nursing AAS

Are there prerequisites to this course?

Yes

Pre-reqs: NRS-222 and NRS-222C

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs: NRS-221C

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Acceptance into the CCC nursing program

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. conduct a health assessment that is in-depth, evidence-based, family-centered, and both developmentally and culturally appropriate, interpret health data, focusing on:
a. functional issues associated with complexities of co-morbid conditions in relation to ADL's and IADL's,
b. manifestations of psychiatric diagnoses and their impact on patient self-care,
c. psychosocial issues and the impact of the illness on individual development and family function,
d. the patient's personal, social and cultural interpretation of the meaning of the illness and the impact on the patient's family,
e. capacity for and engagement in self-care,
f. opportunities for health behavior change;
2. applies evidence-based nursing practices in support of patient and family in self health care management across the lifespan to:
a. establish meaningful relationships with patients/families,
b. support patient and family in development of self-health care management,
c. ddress caregiver needs for preparedness and predictability with regards to the management of symptoms/manifestations for specific disorders,
d. assess family strengths and resources, caregiver role strain, and capacity to provide care;
3. incorporate measures to enhance quality of life in the plan of care by:
a. facilitating patient in developing their personal definition of quality of life,
b. addressing patient needs for preparedness and predictability;
4. identify and use community resources to provide support for the patient and family caregiving by:
a. supporting the patient in negotiating the health care settings,
b. assessing appropriateness of resources in meeting the patient/family needs (e.g. accessibility, financial feasibility, acceptability),
c. developing interprofessional collaboration for the provision of care;
5. communicate with agencies involved in patient care to assure continuity of care across settings (e.g. schools, day care, adult foster care, etc.) by:
a. negotiating with others to modify care,
b. advocating for patients;
6. utilize nursing- and inter-professional based-knowledge of death and dying trajectories to support patients/families across the life-span who are experiencing transitions at the end of life:
a. describing the epidemiology of dying (where, when, how people die), dying trajectories across the lifespan,
b. using developmentally and culturally appropriate communication with patients and families at EOL, c. using

appropriate assessment techniques for individuals and families experiencing life threatening illness;
7. analyze the impact of health care delivery system issues, policy and financing on individual and family health care needs for chronic illness and end of life care by:
a. comparing basic funding mechanisms,
b. identifying decision-making issues for chronic care based on funding resources,
c. assessing appropriateness of resources in meeting the patient/family needs (e.g. accessibility, financial feasibility, acceptability).

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Concepts of increased complexity in chronic illness.
a. Symptom management in chronic illness and end of life.
b. Palliative care.
c. Case/Care management.
d. Chronic mental illness.
e. Substance abuse and addictions.
f. Ethical/legal considerations in chronic care/end of life.
g. Health care systems and financing.
2. Advocacy.
3. Communication.
4. Evidence-based best practices, e.g. core measures and National Patient Safety Goals [NPSG].

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

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Section #1 General Course Information

Department: HTHS

Submitter

First Name: Carol
Last Name: Dodson
Phone: 0654
Email: carold@clackamas.edu

Course Prefix and Number: NRS - 221C

 # Credits: 5

Contact hours

Lecture (# of hours):
Lec/lab (# of hours):
Lab (# of hours):   150
Total course hours: 150

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Chronic Illness II and End of Life Clinical

Course Description:

This course builds on NRS-111 and expands the student's knowledge related to family care giving, symptom management and end of life concepts. These concepts are a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self determination, and autonomy are explored. Complex skills associated with the assessment and management of concurrent illnesses and conditions are developed within the context of patient and family preferences and needs. Skills related to enhancing communication and collaboration as a member of an interdisciplinary team are further explored. Exemplars include patients with chronic mental illness and addictions as well as other chronic conditions and disabilities affecting functional status and family relationships. The course includes classroom and clinical learning experiences.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Nursing AAS

Are there prerequisites to this course?

Yes

Pre-reqs: NRS-222 and NRS-222C

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs: NRS-221

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Acceptance into the CCC nursing program

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

Pass/No Pass Only

Audit: No

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify interventions for symptom management in the care of the chronically ill patient,
2. recognize the ethical issues related to advocacy, self determination and autonomy in regard to care of the chronically ill or dying patient;
3. demonstrate collaboration with interdisciplinary teams,
4. identify the impact of individual and family development/cultural beliefs in relation to the delivery of care to the chronically ill or dying patient,
5. use research evidence in guiding clinical judgments in the care of the chronically ill or dying patient,
6. demonstrate reflective thinking about their own practice as a nursing student.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Nursing care of the chronically ill patient.
2. Evidence-based practice related to family care giving.
3. Symptom management.
4. Ethical issues related to advocacy, self determination and autonomy.
5. Complex skills in the care of the chronically ill or dying patient.
6. Effective communication with inter-disciplinary teams.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

First term to be offered:

Specify term: Winter 2022

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: HTHS

Submitter

First Name: Carol
Last Name: Dodson
Phone: 0654
Email: carold@clackamas.edu

Course Prefix and Number: NRS - 222

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Nursing in Acute Care II & End of Life

Course Description:

This course builds on Nursing in Acute Care I, focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments, and effective, efficient nursing interventions. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in patient choices for treatment or palliative care for disorders with an acute trajectory. Case scenarios incorporate prioritizing care needs, delegation and supervision, and family and patient teaching for either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Nursing AAS

Are there prerequisites to this course?

Yes

Pre-reqs: NRS-112, NRS-112C, and NRS-233

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs: NRS-222C

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Acceptance into the CCC nursing program

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit: No

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. conduct evidence-based assessment, using age, and developmentally and culturally appropriate communication skills by:
a. monitoring a variety of data and accurately interpreting obvious deviations from expected patterns in increasing complex acute conditions (e.g. co-morbidities, complications, high-risk pregnancies, acute psychosis, life threatening situations, diverse health beliefs);
b. recognizing potential problems and rapidly changing physiologic and behavioral situations,
c. recognizing pathophysiological changes and symptoms experienced by the patient which are associated with the dying process,
d. regularly monitoring patient's level of comfort and ability to manage symptoms and symptom distress;
e. assessing family's response to patient's illness,
f. recognizing impact of individual development, as well as family development and dynamics on physiologic and behavioral status;
2. develop and use evidence-based, individualized, developmentally appropriate interventions that are dynamic and based on changing needs of patient and family;
3. collaborate with health care team members to provide comfort and symptom management,
4. develop discharge plans in collaboration with patient, family, health care team members, and service providing agencies;
5. reflect on experiences in caring for patients with acute conditions.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Concepts of Complex Acute Care Nursing.
a. Clinical Judgment Model.
b. Care coordination.
c. communication.
d. symptom management.
e. advocacy.

   f. teaching.
   g. evidence-based best practices.
  2. Cardiovascular, Respiratory, Endocrine, Maternal-Child complications, Renal/GU, Neurological, and GI Alterations.
  3. Trauma and Multisystem Failure.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**	
2. Produce renewable energy	**No**	
3. Prevent environmental degradation	**No**	
4. Clean up natural environment	**No**	
5. Supports green services	**No**	

Percent of course: 0%

First term to be offered:

Specify term: Fall 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: HTHS

Submitter

First Name: Carol
Last Name: Dodson
Phone: 0654
Email: carold@clackamas.edu

Course Prefix and Number: NRS - 222C

 # Credits: 5

Contact hours

Lecture (# of hours):
Lec/lab (# of hours):
Lab (# of hours):   150
Total course hours: 150

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Nursing in Acute Care II & End of Life Clinical

Course Description:

This course builds on NRS-112, and focuses on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments, and effective, efficient nursing interventions. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in patient choices for treatment or palliative care within the acute care setting. Case scenarios incorporate prioritizing care needs, delegation and supervision, and family and patient teaching for either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Nursing AAS

Are there prerequisites to this course?

Yes

Pre-reqs: NRS-112, NRS-112C, and NRS-233

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs: NRS-222

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Acceptance into the CCC nursing program

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?
Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

Pass/No Pass Only

Audit: No

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. conduct evidence-based assessment, using age, and developmentally and culturally appropriate communication skills, specifically by:
a. monitoring a variety of data and accurately interpreting obvious deviations from expected patterns in increasingly complex acute conditions (e.g. co-morbidities, complications, high-risk pregnancies, acute psychosis, life threatening situations, diverse health beliefs),
b. recognizing potential problems and rapidly changing physiologic and behavioral situations,
c. recognizing pathophysiological changes and symptoms experienced by the patient which are associated with the dying process,
d. regularly monitoring patient's level of comfort and ability to manage symptoms and symptom distress,
e. assessing family's response to client's illness,
f. recognizing impact of individual development, as well as family development and dynamics on physiologic and behavioral status;
2. developing and using evidence-based, individualized, developmentally appropriate interventions that are dynamic and based on changing needs of patient and family;
3. collaborating with health care team members to provide comfort and symptom management,
4. developing discharge plans in collaboration with patient, family and health care team members;
5. reflecting on experiences in caring for patients with acute conditions.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Nursing care of the acutely ill patient.
2. Evidence-based practice related to acute care practices and delivery of care to unstable patients.
3. Symptom management.
4. Life span, developmental factors, cultural variables and legal aspects of care that frame the ethical decision-making employed in patient choices for treatment or palliative care within the acute care setting.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Percent of course: 0%

First term to be offered:

Specify term: Fall 2021

1. Increased energy efficiency   **No**
2. Produce renewable energy   **No**
3. Prevent environmental degradation   **No**
4. Clean up natural environment   **No**
5. Supports green services   **No**

Course Number	Title	Implementation
ED-101	Intro to Education Practicum & Seminar	2021/SP
MTH-050ES	Matemáticas Técnicas I	2021/SP

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Education, Human Services & Criminal Justice

Submitter

First Name: Laurette
Last Name: Scott
Phone: 503-594-3840
Email: laurette@clackamas.edu

Course Prefix and Number: ED - 101

 # Credits: 3

Contact hours

Lecture (# of hours): 10
Lec/lab (# of hours):
Lab (# of hours):   60
Total course hours: 70

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Intro to Education Practicum & Seminar

Course Description:

This course introduces students to critical topics associated with the education profession. Each topic will be considered on an introductory level with an understanding that future classes will expand student comprehension and knowledge to a mastery level. Students are also required to participate in a 6 hour per week practicum to provide the opportunity to experience directly the various educational issues discussed in class. Required: Student Petition.

Type of Course: Lower Division Collegiate

Reason for the new course:

This course is designed to provide an initial practical experience in a classroom setting as well as an introduction to the course of study for professional educators. Ideally students will discern if a career in education is the right fit for them prior to pursuing the required coursework for this career pathway.

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: Student Petition

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Fall**
✓ **Winter**
✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. reflect on the practicum experience for purposes of career confirmation and identify next steps in personal education plan,
2. describe a classroom environment that is safe, inclusive, and equitable for all learners;
3. identify bias and diversity issues in the teaching environment,
4. describe effective teaching practices for student engagement and success,
5. apply and practice professional, ethical/legal knowledge and behavior.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. The Purpose of School
2. Today's Students
3. Effective Teachers
4. Ethical & Legal Issues in Education
5. Foundations of Education in the U.S.
6. The Teaching Profession

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a

new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

✓ **EOU (Eastern Oregon University)**

         ✓ **SOU (Southern Oregon University)**

✓ **OSU (Oregon State University)**   ✓ **UO (University of Oregon)**

✓ **OSU-Cascade**   ✓ **WOU (Western Oregon University)**

Identify comparable course(s) at OUS school(s)

ED 209 Practicum-SOU, ED 409-OSU Cascades, ED 293,294-OSU Hybrid

How does it transfer? (Check all that apply)

✓ **required or support for major**

✓ **general elective**
:

First term to be offered:

Specify term: Fall 2021

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Mark
Last Name: Yannotta
Phone: 3335
Email: marky

Course Prefix and Number: MTH - 050ES

 # Credits: 4

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Matemáticas Técnicas I

Course Description:

Este curso está diseñado para estudiantes de carreras técnicas. Los temas se centran en el pensamiento crítico, la resolución de problemas y la comunicación matemática utilizando aplicaciones de aritmética, mediciones, geometría, estadística y probabilidades.

Type of Course: Developmental Education

Reason for the new course:

This will be a Spanish version of our MTH-50 Technical Mathematics course, offered in this format to better meet the needs of the Spanish speaking community. The content and outcomes will be exactly the same as MTH-50, just delivered in Spanish.

Can this course be repeated for credit in a degree?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-020 con una C o mejor, o ubicación en MTH-050 o superior

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

ESOL and CTE program instructors have been consulted and are helping to promote this offering.

Does this course belong on the Related Instruction list?

Yes

Area: Computation

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Not every term**

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

Al completar con éxito este curso, los estudiantes deben estar disponibles para:

1. demostrar pensamiento riguroso y analítico leyendo, escribiendo y utilizando el lenguaje y el simbolismo técnico y lógico necesarios para hacer matemáticas y resolver problemas de manera eficaz;
2. utilizar fórmulas independientemente de cuál sea el campo o disciplina asociado con la aplicación;
3. utilizar unidades de medida para longitud, masa, volumen y otras propiedades;
4. convertir entre los sistemas de mediciones estadounidense y métrico decimal;
5. utilizar exactitud y precisión con las mediciones;
6. resolver problemas que involucran figuras geométricas de dos y tres dimensiones;
7. utilizar estadísticas descriptivas para analizar y comprender conjuntos de datos;
8. determinar la probabilidad de un evento.

This course does not include assessable General Education outcomes.

Major Topic Outline:

Resumen de los Temas Principales del Curso:

1. Revisión de aritmética basada en aplicaciones.
2. Mediciones.
3. Geometría.
4. Estadísticas y Probabilidades.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

First term to be offered:

Next available term after approval
:

Program	Implementation
Group 0: Nursing	
Nursing (RN) AAS	2021/SU
Group 1: Human Services	
Gerontology CC	
Gerontology for Health Care Professionals CPCC	2021/SU
Human Services Generalist AAS	
Human Services Generalist CC	
Group 2: ART/DMC Inactivations	
AA Degree, Oregon Transfer	
Associate of General Studies	
AS, Oregon Transfer - Business	
AS, Oregon Transfer, Computer Science	
Oregon Transfer Module	
AS, Biological Engineering, OSU	
AS, Biology, OSU	
AS, Chemical Engineering, OSU	
AS, Civil Engineering, OSU	
AS, Construction Engineering Management, OSU	2021/SU
AS, Ecological Engineering, OSU	
AS, Electrical Engineering, OSU	
AS, Energy Systems Engineering, OSU	
AS, Environmental Engineering, OSU	
AS, Industrial/Manufacturing Engineering, OSU	
AS, Mechanical Engineering, OSU	
AS, Music, PSU	
Digital Media Communications AAS	
Music Performance & Technology AAS	
Group 3: OIT Engineering	
AS, Electrical Engineering, OIT	
AS, Mechanical Engineering, OIT	2021/SU
AS, Renewable Energy Engineering, OIT	
Group 4: Horticulture	
Horticulture CC	2021/SU
Group 5: Web Design	
Web Design & Development AAS	2021/SU
Web Design CC	

Oregon Department of Community Colleges and Workforce Development	Office of Educational Improvement & Innovation
255 Capitol Street NE	Phone: (503) 378-3600
Salem, OR 97310-0203	FAX: (503) 378-5156

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		☐ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title (For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AAS Title: Nursing (RN) AAS.NURING, NA.PRENURSE	**51.3801**			√ **Statewide AAS (90-108 credits)**	**90-93**
Option Title**				☐ *OPTION* to AAS Degree	
Certificate Title: _Within_ AAS Degree? ☐ Yes** ☐ No				☐ Certificate of Completion	

****Enter name of base degree in 'AAS Title' box**
Last amendment approved on 1/24/20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program**++	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
☐ **Title Change for Program**		*Proposed* **Total Credits:**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

++**If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.**

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
First Term							
BI-112* Or Biology with genetics	General Biology for Health Sciences Biology with Genetics	66-77	4-5				
NRS-110	Foundations of Nursing - Health Promotion	55	5				
NRS-110C	Foundations of Nursing - Health Promotion Clinical	120	4				
NRS-230	Clinical Pharmacology I	33	3				
PE-185**	**Physical Education**	**33**	**1**				
Second Term							
NRS-111	Foundations of Nursing in Chronic Illness I	33	3				
NRS-111C	Foundations of Nursing in Chronic Illness I Clinical	90	3				
NRS-231	Clinical Pharmacology II	33	3				
NRS-232	Pathophysiological Processes I	33	3				
Third Term							
NRS-112	Foundations of Nursing in Acute Care I	22	2				
NRS-112C	Foundations of Nursing in Acute Care I Clinical	120	4				
NRS-233	Pathophysiological Processes II	33	3				
--	Arts & Letters, Social Science or Natural Science electives, if needed		3				
Summer Term Option							
BI-112* Or Biology with Genetics	General Biology for Health Sciences or Biology with Genetics	66	4-5				
Fourth Term							
NRS-222	Nursing in Acute Care II & End of Life	33	3	NRS-222	Nursing in Acute Care II & End of Life	44	4
NRS-222C	Nursing in Acute Care II & End of Life Clinical	180	6	NRS-222C	Nursing in Acute Care II & End of Life Clinical	150	5
--	Arts & Letters, Social Science or Natural Science electives, if needed		6				
Fifth Term							
NRS-221	Chronic Illness II and End of Life	33	3	NRS-221	Chronic Illness II and End of Life	44	4

NRS-221C	Chronic Illness II and End of Life Clinical	180	6		NRS-221C	Chronic Illness II and End of Life Clinical	150	5
--	Arts & Letters, Social Science or Natural Science electives, if needed		6					

Sixth Term								
NRS-224	Integrative Practicum	22	2					
NRS-224C	Integrative Practicum Clinical	210	7					
WR-222*** Or WR-227	English Composition or Technical Report Writing	44	4					
--	Arts & Letters, Social Science or Natural Science electives, if needed		4					

Catalog Notes	
*BI-112 meets the Biology with genetics requirement and must be completed prior to start of second year of nursing program.	
**Current Basic Life Support (AHA) is required throughout the nursing program and meets PE requirement.	
***Required only if 8 credit writing requirement not previously met.	
• Students must achieve C or higher grades in all required courses (including prerequisites/preparatory courses) prior to advancing to the next term. • Core curriculum is sequential and may not be taken out of order. Core nursing curriculum is intended to be completed in two academic years for an AAS degree.	

Approved Courses to Meet Prerequisite/Elective Credit Requirements for the Nursing Program	
NOTE: All electives must be taken at the 100 level or higher unless otherwise noted.	

Humanities (Arts & Letters)	
Courses used in this area must be at least three credits. Select courses with a prefix of: ASL, FR, GER, SPN (other world languages are accepted; languages must be 200 level) ART, DMC, ENG, HUM, J, MUP, MUS, PHL, R, TA COMM (courses numbered COMM-126 and above) WR (except WR-101, 121, 122, or 227)	

Social Science	
Courses used in this area must be at least three credits. Select courses with a prefix of: ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS	

Natural Sciences (Science/Math/Computer Science)	
Courses used in this area must be at least six credits. Select courses with a prefix of: ASC, BI (except BI-160, BI-163, BI-165C), CH (except CH-150), CS, ESR, G, GS, MTH (MTH-095 accepted), PH, Z	

Nursing				
NUR-160	Fluid and Electrolytes	22	2	
NUR-217	Basic EKG Interpretation I	11	1	
NUR-218	Basic EKG Interpretation II	22	1	
TOTAL *CURRENT* CREDITS:			90-93	**TOTAL *PROPOSED* CREDITS:**

College Contact	Carol Dodson	Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer *or* PTE Dean Signature		Date	1/13/21

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation

Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.
Current instructions, forms, handouts and other useful resources are located at
http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**	☐ **Health Services**
☐ **Arts, Information & Communications**	☐ **Human Resources**
☐ **Business & Management**	☐ **Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED **Program Title** (For Official Program Title, refer to your directory at *http://www.ode.state.or.us/search/results/?id=232*)	*APPROVED* **CIP Code** (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* **Recognition Award**	**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*		
AAS Title:				☐ **Associate of Applied Science (AAS) Degree**	
Related Certificates: Gerontology for Health Care Professionals CP Nursing Assistant-Gerontology Specialist CP				☐ *OPTION* **to AAS Degree**	
Certificate Title: *Within* AAS Degree? ☐ Yes** √ **No** **Gerontology** CC.GERONTOLOGY	**30.1101**			√ **CC1** **(45-60 credits)**	**46-47**

LAST AMENDMENT APPROVED 1/24/20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program++** ☐ **Title Change for Program**	☐ **Curriculum Revision**	✓ **Revision in Program Credits**
		Proposed **Total Credits:** **45-46**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	**Title**	**Hours**	**Credits**	**Course**	**Title**	**Hours**	**Credits**
Fall Term							
GRN-179	Careers in Gerontology	11	1	Move to Spring Term			
GRN-181	Issues in Aging	33	3				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
WR-101 Or WR-121	**Communication Skills: Occupational Writing or English Composition**	**33-44**	**3-4**				
--	Gerontology program elective		5				
Winter Term							
GRN-182	Aging and the Body	33	3				
GRN-184	Aging & the Individual	33	3				
HE-164 Or HE-263 Or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
HS-154	Community Resources	33	3				
MTH-050 Or MTH-065 Or MTH-098	**Technical Mathematics I or Algebra II or College Math Foundations**	**44**	**4**				
Spring Term							
GRN-183	Death and Dying	33	3				
GRN-280	Gerontology/CWE	108	3				
HS-156	**Conducting Human Service Interviews**	**33**	**3**				
HS-170	Preparation for Field Experience in Human Services	33	3				
--	Gerontology program elective		3	--	Gerontology program elective		2
				GRN-179	Careers in Gerontology	11	1
Gerontology Program Electives							
COMM-140	Introduction to Intercultural Communication	44	4				
CS-120	Survey of Computing	55	4				
ED-258	Multicultural Education	33	3				

FN-110	Personal Nutrition	33	3					
GRN-165	Life Enrichment with Older Adults	33	3					
GRN-290	Special Topics in Gerontology	11-33	1-3					
HE-164	Body & Drugs II: Alcohol	33	3					
HS-100	Introduction to Human Services	33	3					
HS-103	Ethics for Human Service Workers	22	2					
HS-211	Infectious Diseases and Harm Reduction	11	1					
HS-216	Group Counseling Skills	33	3					
HS-232	Case Management	33	3					
HS-256	Advanced Interviewing Skills with Theory	33	3					
NUR-100	Nursing Assistant I	80	7					
NUR-100C	Nursing Assistant I Clinical	82	0					
NUR-101	Certified Nursing Assistant II	88	5					
NUR-101C	Certified Nursing Assistant II Acute Care Clinical	30	0					
PSY-219	Introduction to Abnormal Psychology	44	4					
				FYE-101	First Year Experience Level I	22	2	

Catalog Notes				
Other electives may be approved by the Gerontology program advisor.				
TOTAL *CURRENT* CREDITS:		46-47	**TOTAL *PROPOSED* CREDITS:**	45-46

College Contact	Yvonne Smith		**Telephone No.**	3207	
E-Mail Address			**Fax No.**		
Chief Academic Officer *or* PTE Dean Signature	*Cynthia Rusin*			**Date**	12/17/20

Oregon Department of Community Colleges
and Workforce Development

Office of Educational Improvement & Innovation

255 Capitol Street NE
Salem, OR 97310-0203

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COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	☐ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title *(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)*	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award		**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*			
AAS Title: Gerontology Certificate				☐	**Associate of Applied Science (AAS) Degree**	
Option Title**				☐	*OPTION* to AAS Degree	
Certificate Title: *Within* AAS Degree? √ Yes** ☐ **No Gerontology for Health Care Professionals – Career Pathway** CC.GERHLCAREPRO	**30.1101**			√	**Career Pathway (12-44)**	**15**

**Enter name of base degree in 'AAS Title' box

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program**++ ☐ **Title Change for Program**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:** **15-16**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
GRN-181	Issues in Aging	33	3				
GRN-182	Aging and the Body	33	3				
GRN-183	Death and Dying	33	3				
GRN-184	Aging & the Individual	33	3				
--	Gerontology for Health Care Professionals program electives		3	--	Gerontology for Health Care Professionals program electives		3-4
Gerontology for Health Care Professionals Program Electives							
GRN-165	Life Enrichment with Older Adults	33	3				
GRN-290	Special Topics in Gerontology	33	3				
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
HS-154	Community Resources	33	3				
HS-156	Conducting Human Service Interviews	33	3				
				FYE-101	First Year Experience Level I	22	2
				GRN-179	Careers in Gerontology	11	1
TOTAL CURRENT CREDITS:			15	TOTAL PROPOSED CREDITS:			15-16

College Contact	Yvonne Smith		Telephone No.	3207	
E-Mail Address			Fax No.		
Chief Academic Officer or PTE Dean Signature	*[signature]*			Date	12/7/20

Oregon Department of Community Colleges and Workforce Development

Office of Educational Improvement & Innovation

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COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
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http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		☐ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title (For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	APPROVED CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			APPROVED Recognition Award	Current Credits
	6-digit CIP	7th digit	8th digit		
AAS Title: Human Services Generalist AAS.HUMANSERVGEN	**44.0701**			√ **AAS** (90-108 credits)	**90-92**
Option Title**				☐ OPTION to AAS Degree	
Related Certificates: Alcohol & Drug Counselor CP Human Services Generalist Certificate				☐ Certificate of Completion	

**Enter name of base degree in 'AAS Title' box
LAST AMENDMENT APPROVED ON 12.07.18

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program**++ ☐ **Title Change for Program**	☐ **Curriculum Revision**	✓ **Revision in Program Credits**
		Proposed **Total Credits:**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ SUSPENSION of Program	Reason for Suspension:	
Suspension Effective Date:		

++**If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.**

	CURRICULUM AMENDMENT [List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping. For a New Program, complete the Proposed Curriculum section only.]						
CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				**PROPOSED CURRICULUM 21-22** [List only course(s) to be amended]			
Course	**Title**	**Hours**	**Credits**	**Course**	**Title**	**Hours**	**Credits**
Human Services Generalist Associate of Applied Science Degree: 1st Year							
Fall Term							
HDF-260	Understanding Child Abuse and Neglect	44	4				
HE-163	**Body & Drugs I: Introduction to Abuse & Addiction**	**33**	**3**				
HS-100	Introduction to Human Services	33	3				
WR-101 or WR-121	**Communication Skills: Occupational Writing or English Composition**	**33-44**	**3-4**				
--	Human Services Generalist program electives		3				
Winter Term							
HE-164 or HE-263 or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
HS-103	Ethics for Human Service Workers	22	2				
HS-154	Community Resources	33	3				
MTH-050 Or MTH-065 Or MTH-098	**Technical Mathematics I or Algebra II or College Math Foundations**	**44**	**4**				
--	Human Services Generalist program electives		3				
Spring Term							
HDF-140 Or SOC-210	Contemporary American Families or Marriage, Family, & Intimate Relations	33-44	3-4				
HS-156	**Conducting Human Service Interviews**	**33**	**3**				
HS-170	Preparation for Field Experience in Human Services	33	3				
--	Human Services Generalist program electives		6				
Human Services Generalist Associate of Applied Science Degree: 2nd Year							

Fall Term							
CJA-214 Or CJA-215	Intimate Partner Violence Or Sexual Abuse and Human Trafficking	33	3				
HS-256	Advanced Interviewing Skills with Theory	33	3				
HS-280	Human Services Generalist I: CWE/Practicum	144	4				
--	Human Services Generalist program electives		4				
Winter Term							
HS-281	Human Services Generalist II: CWE/Practicum	144	4				
PSY-215	Introduction to Developmental Psychology	44	4				
SOC-205	Social Stratification & Social Systems	44	4				
--	Human Services Generalist program electives		3				
Spring Term							
HS-216	Group Counseling Skills	33	3				
HS-232	Case Management	33	3				
HS-282	Human Services Generalist III: CWE/Practicum	144	4				
--	Human Services Generalist program electives		5				
Human Services Generalist Program Electives							
Students take 24 credits from courses taken for completion from any of the following certificate programs: Gerontology, Gerontology for Health Care Professionals, Nursing Assistant-Gerontology Specialist, Juvenile Corrections, or Early Childhood Education & Family Studies.							
Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, GER, GRN, HD, HDF, HS, MA, PSY, SOC, SPN, WS or any of the following Health courses:				Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, FYE, GER, GRN, HD, HDF, HS, MA, MTH, PSY, SOC, SPN, WR, WS or any of the following Health courses:			
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
HE-249	Mental Health	33	3	REMOVE			
HE-252	First Aid/CPR/AED	33	3				
HE-263	Body & Drugs III: Marijuana	33	3				
HE-264	Body & Drugs IV: Other Drugs, Other Addictions	33	3				
TOTAL *CURRENT* CREDITS:			90-92	**TOTAL *PROPOSED* CREDITS:**			

College Contact	Yvonne Smith	**Telephone No.**	3207
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* **PTE Dean Signature**		**Date**	**12/7/2020**

Oregon Department of Community Colleges and Workforce Development	Office of Educational Improvement & Innovation
255 Capitol Street NE	Phone: (503) 378-3600
Salem, OR 97310-0203	FAX: (503) 378-5156

COMMUNITY COLLEGES AND WORKFORCE DEVELOPMENT WORKSOURCE OREGON	**COMMUNITY COLLEGE PROGRAM AMENDMENT FORM** (For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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http://www.ode.state.or.us/search/results/?id=231

College:	**Clackamas Community College**	**Date**	

CAREER LEARNING AREA

☐	**Ag, Food & Natural Resource Systems**	☐	**Health Services**
☐	**Arts, Information & Communications**	☐	**Human Resources**
☐	**Business & Management**	☐	**Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED Program Title (For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award		**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*			
AAS Title: Human Services Generalist AAS				☐	**Associate of Applied Science (AAS) Degree**	
Option Title**				☐	*OPTION* to AAS Degree	
Certificate Title: *Within* **AAS Degree? √ Yes**** ☐ No** **Human Services Generalist** CC.HUMANSERVGEN	**44.0701**			√	**CC1R Related Certificate (45-60 credits)**	**45-48**

**Enter name of base degree in 'AAS Title' box
LAST AMENDMENT APPROVED ON 01/19/2018

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program++**	☐ **Curriculum Revision**	✓ **Revision in Program Credits**	
☐ **Title Change for Program**		*Proposed* **Total Credits:**	
Proposed **AAS Title:**			
Proposed **OPTION Title:**			
Proposed **Certificate Title:**			
☐ *SUSPENSION* of Program	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HE-163	Body & Drugs I: Introduction to Abuse & Addiction	33	3				
HS-100	Introduction to Human Services	33	3				
WR-101 Or WR-121	**Communication Skills: Occupational Writing or English Composition**	**33-44**	**3-4**				
--	Human Services Generalist program electives		6				
Winter Term							
HDF-260 Or GRN-184	Understanding Child Abuse and Neglect or Aging & the Individual	33-44	3-4				
HS-154	Community Resources	33	3				
MTH-050 Or MTH-065 Or MTH-098	**Technical Mathematics I Or Algebra II Or College Math Foundations**	**44**	**4**				
--	Human Services Generalist program electives		5				
Spring Term							
HDF-140 Or SOC-210	Contemporary American Families or Marriage, Family, & Intimate Relations	33-44	3-4				
HE-164 Or HE-263 Or HE-264	Body & Drugs II: Alcohol or Body & Drugs III: Marijuana or Body & Drugs IV: Other Drugs, Other Addictions	33	3				
HS-156	**Conducting Human Service Interviews**	**33**	**3**				
HS-170	Preparation for Field Experience in Human Services	33	3				
HS-280	Human Services Generalist I: CWE/Practicum	108	3				
Human Services Generalist Program Electives							

Students take 11 credits from courses taken for completion from any of the following certificate programs: Gerontology, Gerontology for Health Care Professionals, Nursing Assistant-Gerontology Specialist, Juvenile Corrections, or Early Childhood Education & Family Studies.							
Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, GER, GRN, HD, HDF, HS, MA, PSY, SOC, SPN, WS or any of the following Health courses:				Any course numbered 100 or above in the following prefixes as long as the course is not fulfilling another requirement in this degree: ASL, CJA, COMM, ECE, ED, FR, FYE, GER, GRN, HD, HDF, HS, MA, MTH, PSY, SOC, SPN, WR, WS or any of the following Health courses:			
HE-164	Body & Drugs II: Alcohol	33	3				
HE-205	Youth Addictions	33	3				
HE-249	Mental Health	33	3	REMOVE			
HE-252	First Aid/CPR/AED	33	3				
HE-263	Body & Drugs III: Marijuana	33	3				
HE-264	Body & Drugs IV: Other Drugs, Other Addictions	33	3				
TOTAL *CURRENT* CREDITS:			45-48	**TOTAL *PROPOSED* CREDITS:**			

College Contact	Yvonne Smith	**Telephone No.**	3207
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* PTE Dean Signature	*[signature]*	**Date**	12/7/2020

Associate of Arts Oregon Transfer Degree (AAOT)

Requirements	Courses *Choose from the following courses to meet degree requirements.* *All courses must be passed with a C or better.*
Writing 8 credits, information literacy will be included in the Writing Requirement.	**WR**-121 and either 122, or 227
Oral Communication - 1 course	**COMM**-111
Mathematics - 1 course	**MTH**-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261
Health & Physical Education 1 or more courses totaling at least 3 credits.	**PE**-185, 194, 240, 260, 270, 294, 294A **HE**-201, 202, 204, 205, 207, 223, 249, 250, 252, 255, 261 **HPE**-295
GENERAL EDUCATION DISTRIBUTION AREA Arts & Letters • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits.	**ART**-101, 115, ~~116~~, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 **ASL**-201*, 202*, 203* **BA**-130 **COMM**-112, 126*, 140*, 212, 218*, 219*, 227 ~~**DMC**-194, 195~~ **ENG**-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296 **FR**-201*, 202*, 203* **GER**-201*, 202*, 203* **HUM**-235*, 237*, 240*, 241*, 242* **J**-211, 216 **MUS**-105, 111, 112, 113, 205, 206*, 211, 212, 213 **PHL**-101*, 102*, 103*, 205*, 210*, 213*, 216* **R**-101*, 102*, 103*, 204*, 210*, 211*, 212* **SPN**-201*, 202*, 203* **SSC**-237* **TA**-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 **WR**-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 **WS**-101*
GENERAL EDUCATION DISTRIBUTION AREA Social Science • 4 courses from 2 or more disciplines. • Each course must be at least 3 credits.	**ANT**-101, 102*, 103*, 231*, 232* **CJA**-101, 201 **EC**-200, 201, 202 **GEO**-100*, 110*, 130*, 208* **HE**-163, 164 **HST**-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* **HUM**-237* **PS**-200*, 201, 203, 204, 205, 225, 297 **PSY**-200, 205*, 215, 219*, 231* **SOC**-204*, 205*, 206*, 210*, 225* **SSC**-235*, 237*, 240*, 241*, 242* **WS**-101*
GENERAL EDUCATION DISTRIBUTION AREA Science/Math/Computer Science • 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science. • Each course must be at least 3 credits.	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **MTH**-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203

	Cultural Literacy - 1 course	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
	Elective Courses Any college-level course that would bring total credits to 90 credits.	Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.

Course meets Cultural Literacy requirement.

See course descriptions, pages 162-260, for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

Associate of General Studies Degree (AGS)

Requirements	Credit/Courses Required
Writing - 1 course	**WR**-121
Communication - 1 course	**COMM**-100, 111, 112, 126, 140, 212, 218, 219, 227
Mathematics - 1 course	**MTH**-065, 080, 095, 098, 105 or higher
Health & Physical Education - 1 course	Any 100-level course or above with an **HE**, **HPE** or **PE** prefix or **MFG**-107
Arts & Letters - 4 credits	**ART**-101, 115, ~~116~~, 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 **ASL**-201, 202, 203 **BA**-130 **COMM**-112, 126, 140, 212, 218, 219, 227 ~~**DMC**-194, 195~~ **ENG**-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266, 270, 271, 272, 273, 295, 296 **FR**-201, 202, 203 **GER**-201, 202, 203 **HUM**-235, 237, 240, 241, 242 **J**-211, 216 **MUS**-105, 111, 112, 113, 205, 206, 211, 212, 213 **PHL**-101, 102, 103, 205, 210, 213, 216 **R**-101, 102, 103, 204, 210, 211, 212 **SPN**-201, 202, 203 **SSC**-237 **TA**-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 **WR**-241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 **WS**-101
Social Science - 4 credits	**ANT**-101, 102, 103, 231, 232 **CJA**-101, 201 **EC**-200, 201, 202 **GEO**-100, 110, 130, 208 **HE**-163, 164 **HST**-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 **HUM**-237 **PS**-200, 201, 203, 204, 205, 225, 297 **PSY**-200, 205, 215, 219, 231 **SOC**-204, 205, 206, 210, 225 **SSC**-235, 237, 240, 241, 242 **WS**-101
Science/Math/Computer Science - 4 credits	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **MTH**-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203
Other College-level Courses - Any course numbered 100 or above that would bring total credits to 90.	Additional college-level coursework (100 number or above) not already used to satisfy any of the above requirements, to reach total minimum of 90 credits
	90 credits

complete a minimum of 90 credits
establish cumulative GPA of 2.0 or above
complete at least 23 credits at CCC
submit a petition for graduation form to Graduation Services two terms prior to when you expect to graduate.

Associate of Science Oregon Transfer Degree–Business (ASOT–Business)

Requirements	Courses *Choose from the following courses to meet degree requirements.* *All courses must be passed with a C or better.*
Writing 8 credits, information literacy will be included in the Writing Requirement.	**WR**-121 and either 122, or 227
Oral Communication 1 course	**COMM**-111
Mathematics Minimum of 3 courses, including one course of statistics	**MTH**-111 or higher, 4 credits of statistics (MTH-243 or MTH-244) are required.
Cultural Literacy • 1 course • Each course must be at least 3 credits.	Courses meeting the Cultural Literacy requirement are noted with an asterisk.

| **GENERAL EDUCATION DISTRIBUTION AREA**

Arts & Letters
• 3 courses from 2 or more disciplines.
• Each course must be at least 3 credits. | **ART**-101, 115, ~~116~~, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293
ASL-201*, 202*, 203*
BA-130
COMM-112, 126*, 140*, 212, 218*, 219*, 227
~~**DMC**-194, 195~~
ENG-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296
FR-201*, 202*, 203*
GER-201*, 202*, 203*
HUM-235*, 237*, 240*, 241*, 242*
J-211, 216
MUS-105, 111, 112, 113, 205, 206*, 211, 212, 213
PHL-101*, 102*, 103*, 205*, 210*, 213*, 216*
R-101*, 102*, 103*, 204*, 210*, 211*, 212*
SPN-201*, 202*, 203*
SSC-237*
TA-101, 102, 103, 111, 122, 123, 141, 142, 143, 153
WR-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270
WS-101* |

| **GENERAL EDUCATION DISTRIBUTION AREA**

Social Science
• 4 courses from 2 or more disciplines, including EC-201 and EC-202 completed with a grade of C- or better.
• Each course must be at least 3 credits. | **EC**-201 and **EC**-202 and courses from the following list:
ANT-101, 102*, 103*, 231*, 232*
CJA-101, 201
EC-200, 201, 202
GEO-100*, 110*, 130*, 208*
HE-163, 164
HST-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203*
HUM-237*
PS-200*, 201, 203, 204, 205, 225, 297
PSY-200, 205*, 215, 219*, 231*
SOC-204*, 205*, 206*, 210*, 225*
SSC-235*, 237*, 240*, 241*, 242*
WS-101* |

GENERAL EDUCATION DISTRIBUTION AREA Science • 4 courses from at least 2 disciplines including at least 3 laboratory courses in biological and/or physical science. • Minimum of 12 credits of laboratory science required. • Each course must be at least 3 credits.	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203
Business Specific Minimum 20 credits, with a grade of C or better	**BA**-101, 131, 211, 213 and 226
Elective and/or University Specific Requirements	Determined by choice of transfer institution. Please contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included.

Course meets Cultural Literacy requirement.

See course descriptions, pages 162-260, for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

Associate of Science Oregon Transfer Degree – Computer Science
(ASOT–Computer Science)

Requirements	Courses *Choose from the following courses to meet degree requirements.* *All courses must be passed with a C or better.*
Writing 8 credits, information literacy will be included in the Writing Requirement.	**WR**-121, and either 122 or 227
Oral Communication - 1 course	**COMM**-111
Mathematics - 2 courses	**MTH**-251 and **MTH**-252.
Health/Wellness/Fitness 1 or more HE, HPE or PE courses totaling at least 3 credits.	**PE**-185, 194, 240, 260, 270, 294, 294A **HE**-201, 202, 204, 205, 207, 223, 249, 250, 252, 255, 261 **HPE**-295
GENERAL EDUCATION DISTRIBUTION AREA Arts & Letters • 3 courses from 2 or more disciplines. • Each course must be at least 3 credits.	**ART**-101, 115, 116, 117, 131, 204*, 205*, 206*, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 **ASL**-201*, 202*, 203* **BA**-130 **COMM**-112, 126*, 140*, 212, 218*, 219*, 227 **DMC**-194, 195 **ENG**-104, 105, 106, 107*, 108*, 109*, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296 **FR**-201*, 202*, 203* **GER**-201*, 202*, 203* **HUM**-235*, 237*, 240*, 241*, 242* **J**-211, 216 **MUS**-105, 111, 112, 113, 205, 206*, 211, 212, 213 **PHL**-101*, 102*, 103*, 205*, 210*, 213*, 216* **R**-101*, 102*, 103*, 204*, 210*, 211*, 212* **SPN**-201*, 202*, 203* **SSC**-237* **TA**-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 **WR**-241*, 242, 243, 244*, 245, 247, 248, 262, 263, 265, 270 **WS**-101*
GENERAL EDUCATION DISTRIBUTION AREA Social Science • 4 courses from 2 or more disciplines. • Each course must be at least 3 credits.	**ANT**-101, 102*, 103*, 231*, 232* **CJA**-101, 201 **EC**-200, 201, 202 **GEO**-100*, 110*, 130*, 208* **HE**-163, 164 **HST**-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* **HUM**-237* **PS**-200*, 201, 203, 204, 205, 225, 297 **PSY**-200, 205*, 215, 219*, 231* **SOC**-204*, 205*, 206*, 210*, 225* **SSC**-235*, 237*, 240*, 241*, 242* **WS**-101*

GENERAL EDUCATION DISTRIBUTION AREA Science/Math/Computer Science • 4 courses from at least 2 disciplines, including at least 3 lab courses in biological or physical science. • Each course must be at least 3 credits.	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **MTH**-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203
Cultural Literacy - 1 course • Each course must be at least 3 credits.	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
Computer Science Specific Requirements • Minimum of 16 credits in Computer Science consisting of these courses. • Each course in this section must be completed with a grade of C or better. • Each course must be at least 3 credits.	**CS**-160, **CS**-161, **CS**-162, **CS**-260
Elective and/or University Specific Requirements	Determined by choice of transfer institution. Contact your transfer advisor for assistance. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161 for a listing of courses that may be included.

See course descriptions, pages 162-260 for course requisites.

Note: No course may be used to satisfy more than one requirement or distribution area.

Oregon Transfer Module (OTM)

Requirements		Courses
Foundational Skills	Writing - 2 courses, information literacy will be included in the Writing Requirement.	**WR**-121 and either 122, or 227
Introduction to Disciplines	Oral Communication - 1 course	**COMM**-111
	Mathematics - 1 course	**MTH**-105, 111, 112, 211, 212, 213, 251
	Arts & Letters - 3 courses	**ART**-101, 115, ~~116~~, 117, 131, 204, 205, 206, 232, 233, 250, 251, 252, 253, 254, 255, 257, 281, 282, 283, 284, 285, 286, 291, 292, 293 **ASL**-201, 202, 203 **BA**-130 **COMM**-112, 126, 140, 212, 218, 219, 227 ~~**DMC**-194, 195~~ **ENG**-104, 105, 106, 107, 108, 109, 116, 121, 130, 194, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 255, 260, 261, 266, 270, 271, 272, 273, 295, 296 **FR**-201, 202, 203 **GER**-201, 202, 203 **HUM**-235, 237, 240, 241, 242 **J**-211, 216 **MUS**-105, 111, 112, 113, 205, 206, 211, 212, 213 **PHL**-101, 102, 103, 205, 210, 213, 216 **R**-101, 102, 103, 204, 210, 211, 212 **SPN**-201, 202, 203 **SSC**-237 **TA**-101, 102, 103, 111, 122, 123, 141, 142, 143, 153 **WR**-241, 242, 243, 244, 245, 247, 248, 262, 263, 265, 270 **WS**-101
	Social Science - 3 courses	**ANT**-101, 102, 103, 231, 232 **CJA**-101, 201 **EC**-200, 201, 202 **GEO**-100, 110, 130, 208 **HE**-163, 164 **HST**-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203 **HUM**-237 **PS**-200, 201, 203, 204, 205, 225, 297 **PSY**-200, 205, 215, 219, 231 **SOC**-204, 205, 206, 210, 225 **SSC**-235, 237, 240, 241, 242 **WS**-101
	Science/Math/Computer Science 3 courses, including at least 1 biological or physical science with a lab.	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **MTH**-105, 111, 112, 211, 212, 213, 243, 244, 251, 252, 253, 254, 256, 261 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203
	Elective Courses Combined with above must equal at least 45 credits.	Courses must be from Arts & Letters, Social Science, or Science/Math/Computer Science disciplines above.

Notes:

1. All courses must be 100 level or higher.
2. All courses must be at least 3 credits.
3. All courses must be passed with a grade of "C" or better.
4. Students must have a minimum cumulative GPA of 2.0 at the time the module is posted.
5. No course may be used to satisfy more than one requirement or distribution area.

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	**Clackamas Community College**	**Date**	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	√ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: **Engineering – Biological Engineering** AS.OSUBIOLENGR				**Associate of Applied Science Area of Emphasis**	**107**
Partnering Institution Name **Oregon State University**					

<mark>Last amendment approved on 02.07.20</mark>

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* of Program	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – 1st Year							
Fall Term							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
BI-204	Elementary Microbiology	66	4				
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
CH-222	General Chemistry	77	5				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
Summer Term							
CH-223	General Chemistry	77	5				
MTH-256	Differential Equations	44	4				
--	Social Process elective		4				
Program Requirements – 2nd Year							
Fall Term							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
Winter Term							
CH-242	Organic Chemistry II	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
Spring Term							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Social Processes Elective							
ANT-103; **EC**-201, 202; **HST**-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; **SOC**-204, 205, 206;							
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.							

Cultural Diversity Elective	
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;	
Literature and the Arts Elective	
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;	Remove DMC-194
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225	
Physical Education Elective	
HPE-295	

TOTAL *CURRENT* CREDITS:	107	TOTAL *PROPOSED* CREDITS:	
College Contact		**Telephone No.**	
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature	*(signature)*	**Date**	**12/16/20**

**Oregon Department of Community Colleges
 and Workforce Development**
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**	☐ **Health Services**
☐ **Arts, Information & Communications**	☐ **Human Resources**
☐ **Business & Management**	☐ **Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED **Program Title**	*APPROVED* **CIP Code** (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* **Recognition Award**	**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Biology AS.OSUBIOLOGY				**Associate of Applied Science Area of Emphasis**	**92**
Partnering Institution Name Oregon State University					

Last amendment approved on 2/7/20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT							
CURRENT CURRICULUM 20-21 [List entire curriculum as last approved				**PROPOSED CURRICULUM 21-22** [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
BI-211	General Biology for Science Majors (Cellular Biology)	77	5				
CH-221	General Chemistry	77	5				
PE-185	Physical Education	33	1				
WR-121	English Composition	44	4				
Winter Term							
BI-212	General Biology for Science Majors (Animal Biology)	77	5				
CH-222	General Chemistry	77	5				
MTH-251	Calculus I	55	5				
Spring Term							
BI-213	General Biology for Science Majors (Plant Biology & Ecology)	77	5				
COMM-111 or COMM-112 or COMM-218	Public Speaking or Persuasive Speaking or Interpersonal Communication	44	4				
CH-223	General Chemistry	77	5				
Program Requirements – Second Year							
Fall Term							
CH-241*	Organic Chemistry I	77	5				
PH-201 Or PH-211	General Physics or General Physics with Calculus	70	5				
WR-122 Or WR-227	English Composition or Technical Report Writing	44	4				
--	Core electives		3				
Winter Term							
CH-242*	Organic Chemistry II	77	5				
MTH-252	Calculus II	55	5				
PH-202 or PH-212	General Physics or General Physics with Calculus	70	5				
Spring Term							
CH-243*	Organic Chemistry III	77	5				
HPE-295	Health & Fitness for Life	60	3				
PH-203 or PH-213	General Physics or General Physics with Calculus	70	5				
--	Core electives		3				
*Organic Chemistry – satisfies degree requirement but does not transfer at 300 level credits unless students passes the ACS organic exam. OSU highly recommends taking the ACS organic exam. Transfers as a combination of CH-331, 332 & 337.							
Core Electives							
ANT-101, 102, 103, 231, 232; **ART**-101, 204, 205, 206;				REMOVE DMC-194 ADD ENG-194			

ASC-175, 176, 177;
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234;
CH-104, 105, 114, 221, 222, 223;
DMC-194;
EC-201, 202;
ENG-104, 105, 106, 107, 108, 109, 201, 202, 204, 205, 213, 240, 241, 250, 251, 252, 253, 254, 255;
ESR-171, 172, 173;
G-101, 102, 103, 201, 202, 203;
GEO-100, 110, 130, 208;
GS-104, 105, 106, 107;
HST-101, 102, 103, 201, 202, 203;
MUS-206;
PH-121, 122, 123, 201, 202, 203, 211, 212, 213;
PHL-102;
PS-200, 201, 203, 204, 205, 225;
PSY-110, 200, 205, 219, 231;
R-101, 102, 103, 210, 204;
SOC-204, 205, 206, 225;
Z-201, 202, 203;
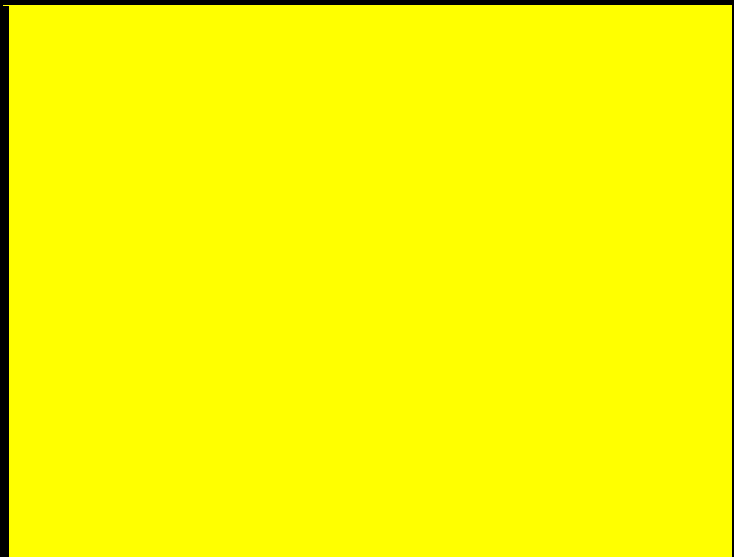
TOTAL *CURRENT* CREDITS:		92	TOTAL *PROPOSED* CREDITS:		
College Contact			**Telephone No.**		
E-Mail Address			**Fax No.**		
Chief Academic Officer *or* CTE Dean Signature				**Date**	12/16/20

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	√ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Chemical Engineering AS.OSUCHEMENGR				**Associate of Applied Science Area of Emphasis**	103
Partnering Institution Name Oregon State University					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – 1ˢᵗ Year							
Fall Term							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
WR-227	Technical Report Writing	44	4				
Spring Term							
CH-222	General Chemistry	77	5				
MTH-254	Vector Calculus	55	5				
--	Social Processes elective		4				
Summer Term							
CH-223	General Chemistry	77	5				
MTH-256	Differential Equations	44	4				
Program Requirements – 2ⁿᵈ Year							
Fall Term							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
Winter Term							
CH-242	Organic Chemistry II	77	5				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
Spring Term							
CH-243	Organic Chemistry III	77	5				
ENGR-201	Electrical Fundamentals	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Social Processes Elective							
ANT-103; **EC**-201, 202; **HST**-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; **SOC**-204, 205, 206;							
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.							
Cultural Diversity Elective							

ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;	
Literature and the Arts Elective	
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;	REMOVE DMC-194
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Biological Science Elective	
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;	
Physical Education Elective	
HPE-295;	

TOTAL *CURRENT* CREDITS:		103	TOTAL *PROPOSED* CREDITS:		
College Contact			**Telephone No.**		
E-Mail Address			**Fax No.**		
Chief Academic Officer *or* CTE Dean Signature	*[signature]*			**Date**	12/16/20

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	**Clackamas Community College**	**Date**	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	√ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: **Engineering – Civil Engineering** AS.OSUCIVILENGR				**Associate of Applied Science Area of Emphasis**	**97**
Partnering Institution Name **Oregon State University**					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* of Program	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – 1st Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CDT-103	Computer-Aided Drafting I	66	3				
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
COMM-111	Public Speaking	44	4				
EC-201	Principles of Economics: MICRO	44	4				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
Summer Term							
GIS-201	Introduction to Geographic Information Systems	66	3				
MTH-256	Differential Equations	44	4				
Program Requirements – 2nd Year							
Fall Term							
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Winter Term							
ENGR-212	Dynamics	44	4				
MTH-253	Calculus III	55	5				
PH-212	General Physics with Calculus	70	5				
Spring Term							
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.							
Cultural Diversity Elective							
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;							
Literature and the Arts Elective							
ART-101, 204, 205, 206;				REMOVE DMC-194			

DMC-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;	
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Biological Science Elective	
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;	

TOTAL *CURRENT* CREDITS:	97	TOTAL *PROPOSED* CREDITS:	
College Contact		**Telephone No.**	
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* **CTE Dean Signature**		**Date**	12/16/20

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		√ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Construction Engineering Management AS.OSUCONENRMGT				**Associate of Applied Science Area of Emphasis**	**91-93**
Partnering Institution Name Oregon State University					

Elective credits changed during catalog edits, NOT APPROVED
Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – 1st Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
BA-226	Business Law I	44	4				
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
EC-201	Principles of Economics: MICRO	44	4				
EC-202	Principles of Economics: MACRO	44	4				
— —	Biological Science elective		4-5				
— —	Literature and the Arts elective		3-4				
Program Requirements – 2nd Year							
Fall Term							
ENGR-211	Statics	44	4				
HPE-295	Health & Fitness for Life	60	3				
PH-211	General Physics with Calculus	70	5				
Winter Term							
BA-215	Fundamentals of Accounting (online through OSU)		4				
PH-212	General Physics with Calculus	70	5				
PHL-102	Ethics	44	4				
— —	Cultural Diversity elective		4				
Spring Term							
COMM-111	Public Speaking	44	4				
ENGR-213	Strength of Materials	44	4				
ENGR-390	Engineering Economy (online through OSU)		3				
WR-227	Technical Report Writing	44	4				
Cultural Diversity Elective							
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;							
Literature and the Arts Elective							
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;				REMOVE DMC-194			
Biological Science Elective							
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;							
Catalog Notes							

Optional: While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from the category below.		
Difference, Power, and Discrimination Elective		
HST-201, 202, 203; **SOC-**225;		
TOTAL *CURRENT* CREDITS:	91-93	**TOTAL *PROPOSED* CREDITS:**
College Contact		**Telephone No.**
E-Mail Address		**Fax No.**
Chief Academic Officer *or* CTE Dean Signature		**Date** 12/16/20

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	√ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Ecological Engineering AS.OSUECOLENGR				**Associate of Applied Science Area of Emphasis**	**102-103**
Partnering Institution Name Oregon State University					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* of Program	*Reason for Suspension:*		
Suspension Effective Date:			

<table>
<tr><td colspan="8" align="center">CURRICULUM AMENDMENT
[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]</td></tr>
<tr><td colspan="4" align="center"><i>CURRENT CURRICULUM 20-21</i>
[List entire curriculum as last approved)</td><td colspan="4" align="center"><i>PROPOSED CURRICULUM 21-22</i>
[List only course(s) to be amended]</td></tr>
<tr><td>Course</td><td>Title</td><td>Hours</td><td>Credits</td><td>Course</td><td>Title</td><td>Hours</td><td>Credits</td></tr>
<tr><td colspan="8" align="center">Program Requirements – 1st Year</td></tr>
<tr><td colspan="8">Fall Term</td></tr>
<tr><td>COMM-111</td><td>Public Speaking</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-111</td><td>Introduction to Engineering</td><td>33</td><td>3</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-251</td><td>Calculus I</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>WR-121</td><td>English Composition</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Winter Term</td></tr>
<tr><td>CH-221</td><td>General Chemistry</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-112</td><td>Engineering Programming</td><td>33</td><td>3</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-252</td><td>Calculus II</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>--</td><td>Literature and the Arts Elective</td><td></td><td>3-4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Spring Term</td></tr>
<tr><td>CH-222</td><td>General Chemistry</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-254</td><td>Vector Calculus</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>WR-227</td><td>Technical Report Writing</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Summer Term</td></tr>
<tr><td>CH-223</td><td>General Chemistry</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-256</td><td>Differential Equations</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8" align="center">Program Requirements – 2nd Year</td></tr>
<tr><td colspan="8">Fall Term</td></tr>
<tr><td>BI-211</td><td>General Biology for Science Majors (Cellular Biology)</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-211</td><td>Statics</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-211</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Winter Term</td></tr>
<tr><td>BI-212</td><td>General Biology for Science Majors (Animal Biology)</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-253</td><td>Calculus III</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-212</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Spring Term</td></tr>
<tr><td>BI-213</td><td>General Biology for Science Majors (Plant Biology & Ecology)</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-213</td><td>Strength of Materials</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-213</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>--</td><td>Western Culture elective</td><td></td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Western Culture Elective</td></tr>
<tr><td colspan="4">ART-204, 205, 206;
ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;
GEO-208;
HST-101, 102, 103, 201, 202, 203;
PHL-102;
R-204;</td><td colspan="4"></td></tr>
<tr><td colspan="4">Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science Degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below</td><td colspan="4"></td></tr>
<tr><td colspan="8">Cultural Diversity Elective</td></tr>
<tr><td colspan="4">ANT-231, 232;
ENG-213, 252;
R-101, 102, 103, 210;</td><td colspan="4"></td></tr>
</table>

Literature and the Arts Elective	
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;	REMOVE DMC-194
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Physical Education Elective	
HPE-295;	

TOTAL *CURRENT* CREDITS:	102-103	TOTAL *PROPOSED* CREDITS:	
College Contact		**Telephone No.**	
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature	*(signature)*	**Date**	12/16/20

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	**Clackamas Community College**	**Date**	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**		☐ **Health Services**	
☐ **Arts, Information & Communications**		☐ **Human Resources**	
☐ **Business & Management**		√ **Industrial & Engineering Systems**	

PROGRAM INFORMATION

APPROVED **Program Title**	*APPROVED* **CIP Code** (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* **Recognition Award**	**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: **Engineering – Electrical Engineering** AS.OSUELCOMPENGR				**Associate of Applied Science Area of Emphasis**	**102**
Partnering Institution Name **Oregon State University**					

==Last amendment approved on 02.07.20==

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	\ Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-221	General Chemistry	77	5				
CS-162	Computer Science II	44	4				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
CS-260	Data Structures	44	4				
MTH-253	Calculus III	55	5				
WR-227	Technical Report Writing	44	4				
--	Social Processes elective		4				
Summer Term							
COMM-111	Public Speaking	44	4				
MTH-256	Differential Equations	44	4				
Program Requirements – Second Year							
Fall Term							
ENGR-221	Electrical Circuit Analysis I	33	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	70	5				
Winter Term							
ENGR-171	Digital Logic	66	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-231	Elements of Discrete Mathematics	44	4				
PH-212	General Physics with Calculus	70	5				
Spring Term							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Social Processes Elective							
ANT-103; **EC**-201, 202; **HST**-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; **SOC**-204, 205, 206;							
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below	
Cultural Diversity Elective	
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;	
Literature and the Arts Elective	
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; **MUS**-105, 205, 206;	REMOVE DMC-194
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Biological Science Elective	
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;	
Physical Education Elective	
HPE-295;	

TOTAL *CURRENT* CREDITS:		102	TOTAL *PROPOSED* CREDITS:	
College Contact			**Telephone No.**	
E-Mail Address			**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature			**Date**	12/16/20

**Oregon Department of Community Colleges
and Workforce Development**
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	√ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Energy Systems Engineering AS.OSUENERGYSYS				**Associate of Applied Science Area of Emphasis**	**96-98**
Partnering Institution Name Oregon State University					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
COMM-111	Public Speaking	44	4				
EC-201	Principles of Economics: MICRO	44	4				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
Summer Term							
MTH-256	Differential Equations	44	4				
Program Requirements – Second Year							
Fall Term							
BA-211	Financial Accounting I	44	4				
ENGR-211	Statics	44	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
PH-211	General Physics with Calculus	70	5				
Winter Term							
ENGR-212	Dynamics	44	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
PH-212	General Physics with Calculus	70	5				
Spring Term							
PH-213	General Physics with Calculus	70	5				
--	Engineering elective		3-4				
--	Literature and the Arts Elective		3-4				
--	Western Culture elective		4				
Engineering Elective							
ENGR-115, 213, 223;							
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Literature and the Arts Elective							
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;				REMOVE DMC-194			
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below.			
Cultural Diversity Elective			
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;			
Difference, Power, and Discrimination Elective			
HST-201, 202, 203; **SOC**-225;			
Biological Science Elective			
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;			
Physical Education Elective			
HPE-295;			
TOTAL *CURRENT* CREDITS:	96-98	TOTAL *PROPOSED* CREDITS:	
College Contact	Eric Lee	Telephone No.	X6163
E-Mail Address		Fax No.	
Chief Academic Officer *or* CTE Dean Signature		Date	12/16/20

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		√ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Environmental Engineering AS.OSUENVIRENGR				**Associate of Applied Science Area of Emphasis**	110
Partnering Institution Name Oregon State University					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* **of Program**	Reason for Suspension:	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
--	Social Processes elective		4				
Winter Term							
CH-221	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
WR-227	Technical Report Writing	44	4				
Spring Term							
CH-222	General Chemistry	77	5				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
--	Western Culture elective		4				
Summer Term							
CH-223	General Chemistry	77	5				
COMM-111	Public Speaking	44	4				
MTH-256	Differential Equations	44	4				
Program Requirements – Second Year							
Fall Term							
CH-241	Organic Chemistry I	77	5				
ENGR-211	Statics	44	4				
PH-211	General Physics with Calculus	70	5				
Winter Term							
CH-242	Organic Chemistry II	77	5				
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	70	5				
Spring Term							
CH-243	Organic Chemistry III	77	5				
ENGR-213	Strength of Materials	44	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	70	5				
Social Processes Elective							
ANT-103; **EC**-201, 202; **HST**-101, 102, 103; **PS**-201, 204, 205, 225; **PSY**-110, 200, 205, 219, 231; **SOC**-204, 205, 206;							
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below.

Cultural Diversity Elective

ANT-231, 232;
ENG-213, 252;
R-101, 102, 103, 210;

Literature and the Arts Elective

ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 250, 251, 252, 253, 254, 255, 260; **MUS**-105, 205, 206;	REMOVE DMC-194

Difference, Power, and Discrimination Elective

HST-201, 202, 203;
SOC-225;

Biological Science Elective

BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234;
ESR-171, 172, 173;
Z-201, 202, 203;

Physical Education Elective

HPE-295;

TOTAL *CURRENT* CREDITS:	110	TOTAL *PROPOSED* CREDITS:	
College Contact		Telephone No.	
E-Mail Address		Fax No.	

Chief Academic Officer *or* CTE Dean Signature		Date	12/16/20

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**	☐ **Health Services**
☐ **Arts, Information & Communications**	☐ **Human Resources**
☐ **Business & Management**	√ **Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Industrial/Manufacturing AS.OSUINDMFGENG				**Associate of Applied Science Area of Emphasis**	**92-93**
Partnering Institution Name Oregon State University					

Last amendment approved on 02.07.20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*		
Suspension Effective Date:			

<table>
<tr><td colspan="8">CURRICULUM AMENDMENT
[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]</td></tr>
<tr><td colspan="4">CURRENT CURRICULUM 20-21
[List entire curriculum as last approved)</td><td colspan="4">PROPOSED CURRICULUM 21-22
[List only course(s) to be amended]</td></tr>
<tr><td>Course</td><td>Title</td><td>Hours</td><td>Credits</td><td>Course</td><td>Title</td><td>Hours</td><td>Credits</td></tr>
<tr><td colspan="8">Program Requirements – First Year</td></tr>
<tr><td colspan="8">Fall Term</td></tr>
<tr><td>COMM-111</td><td>Public Speaking</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-111</td><td>Introduction to Engineering</td><td>33</td><td>3</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-251</td><td>Calculus I</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>WR-121</td><td>English Composition</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Winter Term</td></tr>
<tr><td>CH-221</td><td>General Chemistry</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-112</td><td>Engineering Programming</td><td>33</td><td>3</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-252</td><td>Calculus II</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Spring Term</td></tr>
<tr><td>CH-222</td><td>General Chemistry</td><td>77</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-115</td><td>Engineering Graphics</td><td>33</td><td>3</td><td></td><td></td><td></td><td></td></tr>
<tr><td>MTH-254</td><td>Vector Calculus</td><td>55</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>WR-227</td><td>Technical Report Writing</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Summer Term</td></tr>
<tr><td>MTH-256</td><td>Differential Equations</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>--</td><td>Social Processes elective</td><td></td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Program Requirements – Second Year</td></tr>
<tr><td colspan="8">Fall Term</td></tr>
<tr><td>ENGR-211</td><td>Statics</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-211</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>--</td><td>Western Culture elective</td><td></td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Winter Term</td></tr>
<tr><td>ENGR-212</td><td>Dynamics</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-212</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>--</td><td>Literature and the Arts Elective</td><td></td><td>3-4</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Spring Term</td></tr>
<tr><td>ENGR-201</td><td>Electrical Fundamentals</td><td>66</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>ENGR-213</td><td>Strength of Materials</td><td>44</td><td>4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>PH-213</td><td>General Physics with Calculus</td><td>70</td><td>5</td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="8">Social Processes Elective</td></tr>
<tr><td colspan="4">ANT-103;
EC-201, 202;
HST-101, 102, 103;
PS-201, 204, 205, 225;
PSY-110, 200, 205, 219, 231;
SOC-204, 205, 206;</td><td colspan="4"></td></tr>
<tr><td colspan="8">Western Culture Elective</td></tr>
<tr><td colspan="4">ART-204, 205, 206;
ENG-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255;
GEO-208;
HST-101, 102, 103, 132, 201, 202, 203;
PHL-102;
R-204;</td><td colspan="4"></td></tr>
<tr><td colspan="8">Literature and the Arts Elective</td></tr>
<tr><td colspan="4">ART-101, 204, 205, 206;
DMC-194;
ENG-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270;
MUS-105, 205, 206;</td><td colspan="4">REMOVE DMC-194</td></tr>
</table>

Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State University. The Bachelor of Science degree requires the completion of one course from each category below.	
Cultural Diversity Elective	
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;	
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Biological Science Elective	
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;	
Physical Education Elective	
HPE-295;	

TOTAL *CURRENT* CREDITS:		92-93	**TOTAL *PROPOSED* CREDITS:**		
College Contact	Eric Lee		**Telephone No.**	X6163	
E-Mail Address			**Fax No.**		
Chief Academic Officer *or* CTE Dean Signature				**Date**	12/16/20

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

| College: | Clackamas Community College | Date | |

CAREER LEARNING AREA

☐	Ag, Food & Natural Resource Systems	☐	Health Services
☐	Arts, Information & Communications	☐	Human Resources
☐	Business & Management	√	Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Mechanical Engineering AS.OSUSMECHENGR				**Associate of Applied Science Area of Emphasis**	**96-97**
Partnering Institution Name Oregon State University					

<mark>Last amendment approved on 02.07.20</mark>

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	<mark>☐ **Curriculum Revision**</mark>	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – First Year							
Fall Term							
COMM-111	Public Speaking	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-221	General Chemistry	77	5				
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
ENGR-112	Engineering Programming	33	3				
MTH-252	Calculus II	55	5				
Spring Term							
CH-222	General Chemistry	77	5				
ENGR-115	Engineering Graphics	33	3				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
Summer Term							
MTH-256	Differential Equations	44	4				
Program Requirements – Second Year							
Fall Term							
ENGR-211	Statics	44	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
PH-211	General Physics with Calculus	70	5				
--	Western Culture elective		4				
Winter Term							
ENGR-212	Dynamics	44	4				
ENGR-222	Electrical Circuit Analysis II	66	4				
PH-212	General Physics with Calculus	70	5				
Spring Term							
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
--	Literature and the Arts Elective		3-4				
Western Culture Elective							
ART-204, 205, 206; **ENG**-107, 108, 109, 201, 202, 204, 205, 250, 251, 253, 254, 255; **GEO**-208; **HST**-101, 102, 103, 132, 201, 202, 203; **PHL**-102; **R**-204;							
Literature and the Arts Elective							
ART-101, 204, 205, 206; **DMC**-194; **ENG**-104, 105, 106, 107, 108, 109, 194, 195, 201, 202, 204, 205, 213, 241, 250, 251, 252, 253, 254, 255, 260, 270; **MUS**-105, 205, 206;				REMOVE DMC-194			
Optional: While not required for the A.S. degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Oregon State							

University. The Bachelor of Science degree requires the completion of one course from each category below.	
Cultural Diversity Elective	
ANT-231, 232; **ENG**-213, 252; **R**-101, 102, 103, 210;	
Difference, Power, and Discrimination Elective	
HST-201, 202, 203; **SOC**-225;	
Biological Science Elective	
BI-101, 102, 103, 175, 176, 177, 204, 211, 212, 213, 234; **ESR**-171, 172, 173; **Z**-201, 202, 203;	
Physical Education Elective	
HPE-295;	

TOTAL *CURRENT* CREDITS:	96-97	TOTAL *PROPOSED* CREDITS:	
College Contact	Eric Lee	**Telephone No.**	X6163
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature		**Date**	**12/16/20**

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**	☐ **Health Services**
☐ **Arts, Information & Communications**	☐ **Human Resources**
☐ **Business & Management**	☐ **Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Music AS.PSUMUSIC				**Associate of Applied Science Area of Emphasis**	100-107
Partnering Institution Name Portland State University					

Last amendment approved on 1/24/20

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* of Program	Reason for Suspension:		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course Number	Course Title	Clock Hours	Credits	Course Number	Course Title	Clock Hours	Credits
Program Requirements – First Year							
Fall Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191 Or MUP-171J-191J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-111	Music Theory I	33	3				
MUS-111L	Music Notation Software I	22	1				
MUS-114	Aural Skills I	22	2				
MUS-127	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-121	English Composition	44	4				
Winter Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191 Or MUP-171J-191J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-112	Music Theory I	33	3				
MUS-112L	Music Notation Software I	22	1				
MUS-115	Aural Skills I	22	2				
MUS-128	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
MTH-105 Or MTH-111 or MTH-112 or MTH-251 or MTH-252	Math in Society Or College Algebra or Trigonometry and Pre-Calculus or Calculus I or Calculus II	44-55	4-5				
Spring Term							
MUP-102 Or MUP-105 Or MUP-122 Or MUP-141	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra		1-2				
*MUP-171-191	Individual Lessons or	20	2				

Or MUP-171J-191J	Individual Lessons/Jazz						
MUS-113	Music Theory I	33	3				
MUS-113L	Music Notation Software I	22	1				
MUS-116	Aural Skills I	22	2				
MUS-129	Keyboard Skills I	22	2				
MUS-189	Performance & Repertoire	10	1				
WR-122	English Composition	44	4				
Program Requirements – Second Year							
Fall Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271-291 Or MUP-271J-291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-211	Music Theory II	33	3				
MUS-214	Keyboard Skills II	22	2				
MUS-224	Aural Skills II	22	2				--
--	Arts & Letters General Education elective		4				
Winter Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271-291 Or MUP-271J-291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				
MUS-212	Music Theory II	33	3				
MUS-215	Keyboard Skills II	22	2				
MUS-225	Aural Skills II	22	2				
--	Social Science General Education elective		4				
--	Science/Math/Computer Science General Education elective		3				
Spring Term							
MUP-202 Or MUP-205 or MUP-222 or MUP-241	Wind Ensemble or Jazz Ensemble or Chamber Choir or College Orchestra	44-55	1-2				
*MUP-271-291 Or MUP-271J-291J	Individual Lessons or Individual Lessons/Jazz	20	2				
MUS-189	Performance & Repertoire	10	1				

MUS-213	Music Theory II	33	3					
MUS-216	Keyboard Skills II	22	2					
MUS-226	Aural Skills II	22	2					
--	Arts & Letters General Education elective		4					
--	Science/Math/Computer Science General Education elective		4					

Catalog Notes

*Lessons must be in same instrument discipline, but may be in different styles. Note: For students pursuing a jazz degree, MUP-104 Jazz Combo may be substituted for MUS-189.	

Arts & Letters, Social Science, or Science/Math/Computer Science General Education Electives

Arts & Letters **ART**-101, 115, 116, 117, 131, 204, 205, 206, 225, 226, 227, 250, 251, 252, 253, 254, 255, 281, 282, 283, 284, 285, 286, 291, 292, 293; **ASL**-201, 202, 203; **BA**-130; **COMM**-126, 140, 212, 218, 219, 227; **DMC**-195; **ENG**-104, 105, 106, 107, 108, 109, 116, 121, 130, 195, 201, 202, 204, 205, 213, 218, 226, 240, 241, 250, 251, 252, 253, 254, 266, 270; **FR**-201, 202, 203, 211; **GER**-201, 202, 203; **HUM**-160, 235, 240, 241, 242; **J**-211; **MUS**-105, 111, 112, 113, 205, 206, 211, 212, 213; **PHL**-101, 102, 103, 205, 210; **SPN**-201, 202, 203; **TA**-101, 102, 103, 141, 142, 143; **WR**-220, 241, 242, 243, 244, 245, 248, 262, 263, 265, 270; **Social Science** **ANT**-101, 102, 103, 231, 232; **CJA**-101; **EC**-200, 201, 202; **GEO**-100, 110, 130, 208; **HST**-101, 102, 103, 130, 131, 132, 136, 137, 138, 201, 202, 203; **PS**-200, 201, 203, 204, 205, 225, 297; **PSY**-200, 205, 215, 219, 231; **SOC**-204, 205, 206, 210, 225; **SSC**-160, 235, 240, 241, 242; **WS**-101; **Science/Math/Computer Science** **ASC**-175, 176, 177; **BI**-101, 102, 103, 112, 160, 160L, 165C, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234; **CH**-104, 105, 106, 112, 114, 221, 222, 223; **ESR**-171, 172, 173; **G**-101, 102, 103, 145, 148, 201, 202, 203; **GS**-104, 105, 106, 107; **MTH**-211, 212, 213, 243, 244, 252*, 253, 254, 256, 261; **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213; **Z**-201, 202, 203;	Remove ART-116 and DMC-195
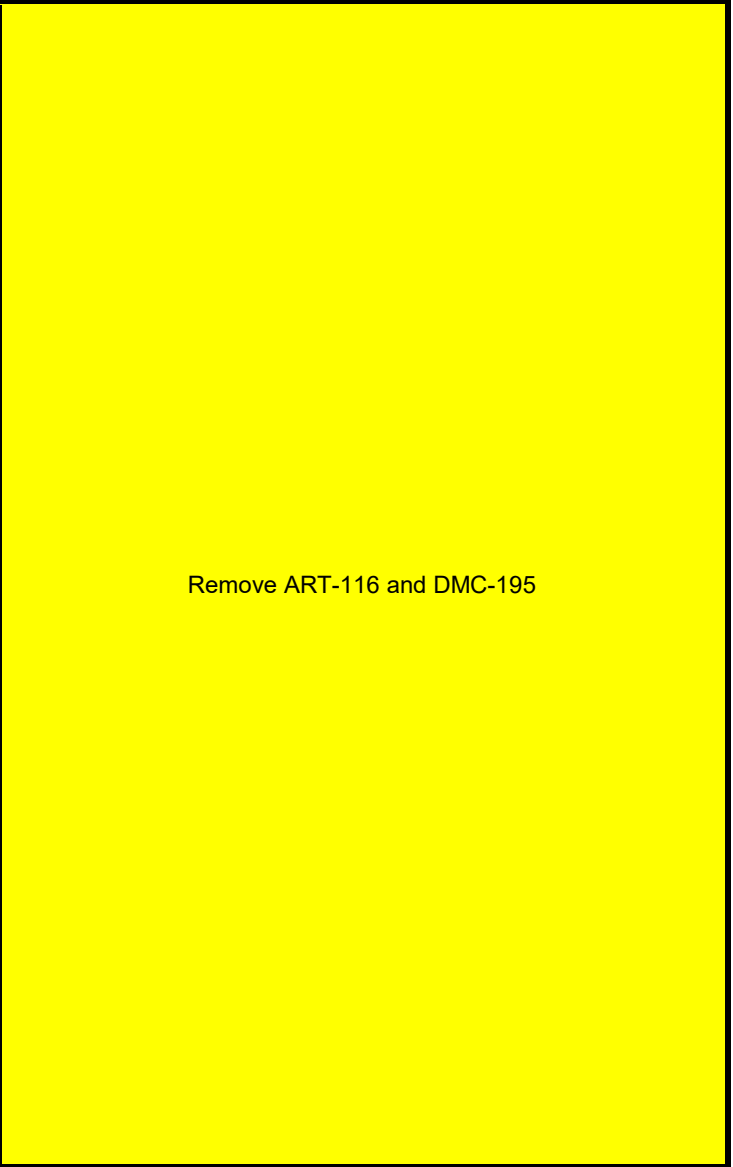
*MTH-252 may be used as an elective requirement in this category if it has not already used for the mathematics requirement in this AS degree.	

TOTAL *CURRENT* CREDITS:		100-107	**TOTAL *PROPOSED* CREDITS:**	
College Contact			**Telephone No.**	
E-Mail Address			**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature			**Date**	12/16/20

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation

Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.
Current instructions, forms, handouts and other useful resources are located at
http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	☐ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title *(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)*	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AAS Title: **Digital Media Communications** AAS.DMC1	**9.0702**			√ **AAS** (90-108 credits)	**90**
Option Title**				☐ *OPTION* to AAS Degree	
Related Certificates: Entry Level Journalist Career Pathway Video Production Technician Career Pathway				☐ Certificate of Completion	

****Enter name of base degree in 'AAS Title' box**
LAST AMENDMENT APPROVED ON 5/3/19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ New Program++ ☐ Title Change for Program	☐ Curriculum Revision	✓ Revision in Program Credits
		Proposed Total Credits:
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* of Program	Reason for Suspension:	
Suspension Effective Date:		

++**If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.**

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	**Course Title**	**Hours**	**Credits**	**Course**	**Course Title**	**Hours**	**Credits**
Associate of Applied Science Degree: 1st Year							
Fall Term							
ART-115	Basic Design: 2-Dimensional Design	66	4				
ART-262	Digital Photography & Photo-Imaging	66	3				
DMC-100	Introduction to Media Arts	33	3				
WR-121	**English Composition**	**44**	**4**				
--	**PE/Health/Safety/First Aid requirement**		**1**				
Winter Term							
COMM-100 Or PSY-101	**Basic Speech Communication or Human Relations**	**33**	**3**				
DMC-104	Digital Video Editing	66	4				
MTH-065 or MTH-050 or higher or CS-161	**Algebra II or Technical Mathematics I or higher or Computer Science I**	**44**	**4**				
--	Digital Media Communications program electives		4				
Spring Term							
J-211 Or COMM-212	Mass Media & Society or Mass Media & Society	44	4				
--	Focus Area courses		4-8				
--	Digital Media Communications program electives		8				
Digital Media Communications Associate of Applied Science Degree: 2nd Year							
Fall Term							
MUS-247 Or DMC-247	Sound for Media Or Sound for Media	33	3				
--	Focus Area courses		8-10				
--	Digital Media Communications program electives		4				
Winter Term							

DMC-291	Digital Media Communications Portfolio Project I	66	3					
--	Focus Area courses		13-15					
Spring Term								
BA-101	Introduction to Business	44	4					
DMC-280	Digital Media Communications/CWE	108	3					
DMC-292	Digital Media Communications Portfolio Project II	66	3					
--	Focus Area course		4					
Additional Courses from Focus Area								
Complete all courses from one of the following Focus Areas								
Motion Graphics & Computer Animation								
ART-131	Introduction to Drawing	66	4					
ART-225	Computer Graphics I	66	3					
ART-226	Computer Graphics II	66	3					
DMC-106	Animation & Motion Graphics I	66	3					
DMC-107	Animation & Motion Graphics II	66	3					
DMC-221	Introduction to 2D Animation: Design & Techniques	66	3					
DMC-222	Advanced 2D Animation: Design & Techniques	66	3					
MUS-171	Sound Design	22	2					
WR-265	Digital Storytelling	44	4					
Journalism								
ART-120 Or MUS-171	Creativity/Ideation Or Sound Design	22-33	2					
ART-225	Computer Graphics I	66	3					
J-134	Photojournalism	44	4					
J-215	College Newspaper: Writing & Photography	33	3					
J-216	Writing for Media	44	4					
J-220 Or DMC-230	Pod, Broad and Social - Journalism Across Platforms Or Documentary Film Production	55-66	4					
J-226	Introduction to College Newspaper: Design & Production	44	4					
WR-240 Or WR-265	Introduction to Creative Writing: Nonfiction Or Digital Storytelling	44	4					
Video Production								
ART-120	Creativity/Ideation	22-33	2					

Or MUS-171	Or Sound Design							
DMC-106	Animation & Motion Graphics I	66	3					
DMC-205	Directing for Film & Video	66	3					
DMC-230	Documentary Film Production	66	4					
DMC-264	Digital Filmmaking	66	4					
DMC-265	Advanced Digital Filmmaking	66	4					
ENG-194 Or DMC-194	Introduction to Film or Introduction to Film	44	4	REMOVE DMC-194				
WR-262	Introduction to Screenwriting	44	4					
Music & Sound for Media								
DMC-242	Field Recording for Media	10	1					
MUS-101	Music Fundamentals	33	3					
MUS-106 Or MUS-149	Audio Recording at Home Or Advanced Pro Tools Editing Techniques	10-11	1					
MUS-107	Introduction to Audio Recording I	33	3					
MUS-108	Introduction to Audio Recording II	33	3					
MUS-141	Introduction to the Music Business	33	3					
MUS-142	Introduction to Electronic Music I: MIDI	33	3					
MUS-143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	33	3					
MUS-145	Introduction to Digital Sound, Video & Animation	33	3					
MUS-147	Music, Sound & Moviemaking	11	1					
MUS-170	Introduction to Scoring Music for Media	22	2					
MUS-171	Sound Design	22	2					
DMC Program Electives								
Additional selected electives must be from different subject areas, from the following list of prefixes: ART, BA, COMM, CS, DMC, ENG, J, MUS, TA, or WR.				Additional selected electives must be from different subject areas, from the following list of prefixes: ART, BA, COMM, CS, DMC, ENG, FYE, J, MUS, TA, or WR.				
TOTAL *CURRENT* CREDITS:			90	**TOTAL *PROPOSED* CREDITS:**				

College Contact	Nora Brodnicki		Telephone No.	
E-Mail Address			Fax No.	
Chief Academic Officer *or* PTE Dean Signature			Date	12/16/20

Oregon Department of Community Colleges
and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation

Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.
Current instructions, forms, handouts and other useful resources are located at
http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems	☐ Health Services
☐ Arts, Information & Communications	☐ Human Resources
☐ Business & Management	☐ Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title (For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	_APPROVED_ CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			_APPROVED_ Recognition Award	Current Credits
	6-digit CIP	_7th digit_	_8th digit_		
AAS Title: Music Performance & Technology AAS.MUSICPERFTECH	**50.0913**			√ **AAS (90-108 credits)**	**92-97**
Option Title**				☐ _OPTION_ to AAS Degree	
Certificate Title: _Within_ AAS Degree? ☐ Yes** ☐ No				☐ Certificate of Completion	

****Enter name of base degree in 'AAS Title' box**
Last amendment approved on 03.01.19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program**++ ☐ **Title Change for Program**	☐ **Curriculum Revision**	✓ **Revision in Program Credits** _Proposed_ **Total Credits:**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ _SUSPENSION_ of Program	_Reason for Suspension:_	
Suspension Effective Date:		

++**If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.**

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	**Title**	**Hours**	**Credits**	**Course**	**Title**	**Hours**	**Credits**
Music Performance & Technology Associate of Applied Science: 1st Year							
Fall Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or MUP-171R-191R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-101	Music Fundamentals	33	3				
MUS-107	Introduction to Audio Recording I	33	3				
MUS-111L	Music Notation Software I	22	1				
MUS-131	Group Piano: Piano for Pleasure	22	1				
MUS-148	Live Sound Engineering	33	3				
Winter Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or MUP-171R-191R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-102	Music Fundamentals	33	3				
MUS-108	Introduction to Audio Recording II	33	3				
MUS-112L	Music Notation Software I	22	1				
MUS-132	Group Piano: Piano for Pleasure	22	1				
MUS-140	Careers in Music	33	3				
MUS-160	Songwriting I	22	2				
Spring Term							
MTH-050 Or MTH-065 Or higher	**Technical Mathematics I or Algebra II or higher**	**44**	**4-5**				
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-171-191 Or MUP-171J-191J Or	Individual Lessons Or Ind Lessons/Jazz Or	20	2				

MUP-171R-191R	Ind Lessons/Rock						
MUS-109	Introduction to Audio Recording III	33	3				
MUS-113L	Music Notation Software I	22	1				
MUS-133	Group Piano: Piano for Pleasure	22	1				
MUS-161	Songwriting II	22	2				
--	**PE/Health/Safety/ First Aid requirement**		**1**				
Music Performance & Technology Associate of Applied Science: 2nd Year							
Fall Term							
COMM-100	**Basic Speech Communication**	**33**	**3**				
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-111	Music Theory I	33	3				
MUS-141	Introduction to the Music Business	33	3				
MUS-142	Introduction to Electronic Music I: MIDI	33	3				
MUS-218	MPT Seminar I	22	1				
Winter Term							
MUP-150	Contemporary Music Ensemble	22	1				
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2				
MUS-112	Music Theory I	33	3				
MUS-143	Introduction to Electronic Music II: Sequencing, Audio Looping, Sound EFX	33	3				
MUS-219	MPT Seminar II	22	1				
WR-101 Or WR-121	**Communication Skills: Occupational Writing or English Composition**	**33-44**	**3-4**				
--	Music Business Skills elective		3-4				
Spring Term							

MUP-150	Contemporary Music Ensemble	22	1					
*MUP-271-291 Or MUP-271J-291J Or MUP-271R-291R	Individual Lessons Or Ind Lessons/Jazz Or Ind Lessons/Rock	20	2					
MUS-113	Music Theory I	33	3					
MUS-144	Introduction to Electronic Music III: Digital Audio	33	3					
MUS-170	Introduction to Scoring Music for Media	22	2					
MUS-220	MPT Seminar III	22	1					
MUS-280	Music/CWE	72	2					
--	Music Performance & Technology program elective		1-3					

Catalog Notes

*Lessons must be in same instrument discipline, but may be in different styles.

Music Business Skills Electives

BA-101	Introduction to Business	44	4					
BA-104	Business Math	33	3					
BA-111	General Accounting I	33	3					
BA-112	General Accounting II	33	3					
BA-131	Introduction to Business Computing	44	4					
BA-223	Principles of Marketing	44	4					
BA-238	Sales	44	4					
BA-239	Advertising	44	4					
BA-250	Small Business Management	33	3					

Music & Performance & Technology Program Electives

ART-116	Basic Design: Color Theory & Composition	66	4	REMOVE				
ART-161	Photography I	66	3					
ART-162	Photography II	66	3					
ART-261	Photography III	66	3					
ART-225	Computer Graphics I	66	3					
ART-226	Computer Graphics II	66	3					
ART-227	Computer Graphics III	66	3					
ART-262	Digital Photography & Photo-Imaging	66	3					
BA-101	Introduction to Business	44	4					
BA-104	Business Math	33	3					
BA-111	General Accounting I	33	3					

BA-112	General Accounting II	33	3				
BA-119	Project Management Practices	22	2				
BA-120	Project Management Fundamentals	44	4				
BA-122	Teamwork	33	3				
BA-124	Negotiation	33	3				
BA-131	Introduction to Business Computing	44	4				
BA-223	Principles of Marketing	44	4				
BA-238	Sales	44	4				
BA-239	Advertising	44	4				
COMM-112	Persuasive Speaking	44	4				
CS-120	Survey of Computing	55	4				
DMC-104	Digital Video Editing	66	4				
DMC-106	Animation & Motion Graphics I	66	3				
DMC-147	Music, Sound & Moviemaking	11	1				
DMC-247	Sound for Media	33	3				
J-134	Photojournalism	44	4				
MUP-102	Wind Ensemble	44	2				
MUP-104	Pep Band/Combo-Improv	22	1				
MUP-105	Jazz Ensemble	44	2				
MUP-122	Chamber Choir	55	2				
MUP-125	Vocal Jazz Ensemble: Mainstream	55	2				
MUP-141	College Orchestra	22	1				
MUP-158	Chamber Ensemble	22	1				
MUP-202	Wind Ensemble	44	2				
MUP-204	Pep Band/Combo-Improv	22	1				
MUP-205	Jazz Ensemble	44	2				
MUP-222	Chamber Choir	55	2				
MUP-225	Vocal Jazz Ensemble: Mainstream	55	2				
MUP-241	College Orchestra	22	1				
MUP-258	Chamber Ensemble	22	1				
MUS-103	Music Fundamentals	33	3				
MUS-111	Music Theory I	33	3				
MUS-134	Group Voice: Anyone Can Sing	22	1				
MUS-137	Group Guitar I: Guitar for Dummies	22	1				
MUS-138	Group Guitar II	22	1				
MUS-145	Introduction to Digital Sound, Video & Animation	33	3				
MUS-205	Music Literature: History of Jazz	44	4				

MUS-206	Music Literature: History of Rock	44	4					
MUS-211	Music Theory II	33	3					
MUS-230	Music and Media: Sex, Drugs, Rock & Roll	44	4					
MUS-247	Sound for Media	33	3					
PSY-101	Human Relations	33	3					
TA-111	Fundamentals of Technical Theatre	66	4					
TA-112	Fundamentals of Technical Theatre	66	4					
TA-113	Fundamentals of Technical Theatre	66	4					
TA-141	Acting I	44	4					
TA-142	Acting II	44	4					
TA-143	Acting III	44	4					
TA-211	Technical Theatre Study	66	4					
WR-240	Introduction to Creative Writing: Nonfiction	44	4					
WR-241	Introduction to Creative Writing: Fiction	44	4					
WR-242	Poetry Writing I	44	4					
TOTAL *CURRENT* CREDITS:		92-97		**TOTAL *PROPOSED* CREDITS:**				

College Contact	Kathleen Hollingsworth	**Telephone No.**	6299
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* PTE Dean Signature		**Date**	**12/16/20**

**Oregon Department of Community Colleges
 and Workforce Development**
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**		☐ **Health Services**	
☐ **Arts, Information & Communications**		☐ **Human Resources**	
☐ **Business & Management**		√ **Industrial & Engineering Systems**	

PROGRAM INFORMATION

APPROVED **Program Title**	*APPROVED* **CIP Code** (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* **Recognition Award**	**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Electrical Engineering AS.OITELECENGR				**Associate of Applied Science Area of Emphasis**	**105-107**
Partnering Institution Name Oregon Institute of Technology (Oregon Tech)					

Last amendment approved on 12.06.19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
☐ *SUSPENSION* **of Program**	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – 1st Year							
Fall Term							
CH-221	General Chemistry	77	5				
CS-161	Computer Science I	44	4				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
Winter Term							
CH-222	General Chemistry	77	5				
ENGR-112	Engineering Programming	33	3				
ENGR-171	Digital Logic	66	4				
MTH-252	Calculus II	55	5				
Spring Term							
COMM-111	Public Speaking	44	4				
ENGR-271	Digital Systems	66	4				
MTH-261	Linear Algebra	44	4				
WR-121	English Composition	44	4				
Summer Term							
WR-227	Technical Report Writing	44	4				
--	Social Science Elective		3-4				
Program Requirements – 2nd Year							
Fall Term							
ENGR-221	Electrical Circuit Analysis I	33	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	70	5				
--	Humanities or Social Science Elective		3-4				
Winter Term							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	70	5				
WR-122	English Composition	44	4				
Spring Term							
ENGR-223	Electrical Circuit Analysis III	66	4				
MTH-253	Calculus III	55	5				
PH-213	General Physics with Calculus	70	5				
Track Requirements							
Social Science Electives							
Choose courses from the following subjects: **ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS**							
Humanities Electives							
Choose courses from the following subjects: **ART, ASL** (200-level), **ENG, FR** (200-level), **GER** (200-level), **HUM, MUS, PHL, R, SPN** (200-level), **TA**							
				Optional: While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Institute of Technology and is listed below. COMM-219 Up to 9 additional Social Science Elective credits from the list above Up to 6 additional Humanities Elective credits from the list above			
TOTAL CURRENT CREDITS:			105-107	**TOTAL PROPOSED CREDITS:**			

College Contact		Telephone No.	
E-Mail Address		Fax No.	
Chief Academic Officer *or* CTE Dean Signature		Date	1/6/21

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		√ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Mechanical Engineering AS.OITMECHENGR				**Associate of Applied Science Area of Emphasis**	**103-105**
Partnering Institution Name Oregon Institute of Technology (Oregon Tech)					

Last amendment approved on 01.18.19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ New Agreement	☐ **Curriculum Revision**	☐ Revision in Program Credits
		Proposed Total Credits:
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT
[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – 1st Year							
Fall Term							
CH-221	General Chemistry	77	5				
ENGR-111	Introduction to Engineering	33	3				
MTH-251	Calculus I	55	5				
WR-121	English Composition	44	4				
Winter Term							
CH-222	General Chemistry	77	5				
ENGR-231	Properties of Materials	66	4				
MTH-252	Calculus II	55	5				
WR-122	English Composition	44	4				
Spring Term							
COMM-111	Public Speaking	44	4				
ENGR-112	Engineering Programming	33	3				
MTH-254	Vector Calculus	55	5				
WR-227	Technical Report Writing	44	4				
Summer Term							
MTH-256	Differential Equations	44	4				
--	Social Science Elective		3-4	Move to Fall Term, Year 2			
				MTH-261	Linear Algebra	44	4
Program Requirements – 2nd Year							
Fall Term							
ENGR-211	Statics	44	4				
MTH-261	Linear Algebra	44	4	Move to Summer Term			
PH-211	General Physics with Calculus	70	5				
				--	Social Science Elective		3-4
Winter Term							
CDT-103	Computer-Aided Drafting I	66	3				
ENGR-212	Dynamics	44	4				
PH-212	General Physics with Calculus	70	5				
--	Humanities Electives		3-4				
Spring Term							
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
ENGR-201	Electrical Fundamentals	66	4				
ENGR-213	Strength of Materials	44	4				
PH-213	General Physics with Calculus	70	5				
Track Requirements							
Social Science Electives							
Choose courses from the following subjects: **ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS**							
Humanities Electives							
Choose courses from the following subjects: **ART, ASL** (200-level), **ENG, FR** (200-level), **GER** (200-level), **HUM, MUS, PHL, R, SPN** (200-level), **TA**							
				Optional: While not required for the AS degree, students may complete additional coursework at CCC that will meet			

	requirements for the Bachelor of Science degree at Institute of Technology and is listed below. **COMM**-219 **WLD**-150 Additional Social Science Elective from the list above	
TOTAL *CURRENT* CREDITS: 103-105	**TOTAL *PROPOSED* CREDITS:**	
College Contact	**Telephone No.**	
E-Mail Address	**Fax No.**	
Chief Academic Officer *or* CTE Dean Signature		**Date** 1/6/21

Oregon Department of Community Colleges and Workforce Development
255 Capitol Street NE
Salem, OR 97310-0203

Office of Educational Improvement & Innovation
Phone: (503) 378-3600
FAX: (503) 378-5156

COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM

This form should be completed electronically and the boxes will expand to accommodate text.

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ **Ag, Food & Natural Resource Systems**	☐ **Health Services**
☐ **Arts, Information & Communications**	☐ **Human Resources**
☐ **Business & Management**	√ **Industrial & Engineering Systems**

PROGRAM INFORMATION

APPROVED Program Title	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AS Area of Emphasis Title: Engineering – Renewable Energy AS.OITRNWNRGENGR				**Associate of Applied Science Area of Emphasis**	**99-104**
Partnering Institution Name Oregon Institute of Technology (Oregon Tech)					

Last amendment approved on 01.18.19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Agreement**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed **Total Credits:**
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21				PROPOSED CURRICULUM 21-22			
[List entire curriculum as last approved)				[List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Program Requirements – 1st Year							
Fall Term							
CH-221	General Chemistry	77	5				
MTH-251	Calculus I	55	5				
RET-200 Or ENGR-111	Renewable Energy Systems Or Introduction to Engineering		3-4				
WR-121	English Composition	44	4				
Winter Term							
CH-222	General Chemistry	77	5				
COMM-111	Public Speaking	44	4				
MTH-252	Calculus II	55	5				
--	Humanities Elective		3-4				
Spring Term							
EC-201 Or EC-202	Principles of Economics: MICRO or Principles of Economics: MACRO	44	4				
MTH-261	Linear Algebra	44	4				
WR-227	Technical Report Writing	44	4				
--	Humanities Elective		3-4				
Program Requirements – 2nd Year							
Fall Term							
ENGR-211	Statics	44	4				
ENGR-221	Electrical Circuit Analysis I	33	4				
MTH-254	Vector Calculus	55	5				
PH-211	General Physics with Calculus	70	5				
Winter Term							
ENGR-222	Electrical Circuit Analysis II	66	4				
MTH-256	Differential Equations	44	4				
PH-212	General Physics with Calculus	70	5				
WR-122	English Composition	44	4				
Spring Term							
ENGR-223	Electrical Circuit Analysis III	66	4				
PH-213	General Physics with Calculus	70	5				
--	Social Science Elective		3-4				
--	Social Science Elective		3-4				
Social Science Electives							
Choose courses from the following subjects: **ANT, EC, GEO, HST, PS, PSY, SOC, SSC, WS**							
Humanities Electives							
Choose courses from the following subjects: **ART, ASL** (200-level), **ENG, FR** (200-level), **GER** (200-level), **HUM, MUS, PHL, R, SPN** (200-level), **TA**							
				Optional: While not required for the AS degree, students may complete additional coursework at CCC that will meet requirements for the Bachelor of Science degree at Institute of Technology and is listed below. COMM-219 Up to 3 additional Social Science Elective credits from the list above Up to 6 additional Humanities Elective credits from the list above			

TOTAL *CURRENT* CREDITS:		99-104	TOTAL *PROPOSED* CREDITS:		
College Contact			**Telephone No.**		
E-Mail Address			**Fax No.**		
Chief Academic Officer *or* CTE Dean Signature				**Date**	1/6/21

Oregon Department of Community Colleges and Workforce Development	Office of Educational Improvement & Innovation
255 Capitol Street NE Salem, OR 97310-0203	Phone: (503) 378-3600 FAX: (503) 378-5156

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

This form should be completed electronically and the boxes will expand to accommodate text.
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http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐	Ag, Food & Natural Resource Systems	☐	Health Services
☐	Arts, Information & Communications	☐	Human Resources
☐	Business & Management	☐	Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title *(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)*	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award		**Current Credits**
	6-digit CIP	*7th digit*	*8th digit*			
AAS Title: **Horticulture AAS**				☐	**Associate of Applied Science (AAS) Degree**	
Option Title****				☐	*OPTION* to AAS Degree	
Certificate Title: *Within* **AAS Degree? √ Yes**** ☐ No** **Horticulture** CC.HORT	**1.0601**			√	**CC1R Related Certificate (45-60 credits)**	**49-52**

**Enter name of base degree in 'AAS Title' box
LAST AMENDMENT APPROVED ON 01/15/21

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program++** ☐ **Title Change for Program**	☐ **Curriculum Revision**	✓ **Revision in Program Credits**
		Proposed **Total Credits:** **51-54**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT
[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
Fall Term							
HOR-111	Horticulture Practicum/Fall	44	2				
HOR-115	Horticulture Safety	10	1				
HOR-223	Applied Plant Science	44	4				
HOR-226	Plant Identification/Fall	44	4				
MTH-050 Or MTH-065 or higher level math	**Technical Mathematics I or Algebra II or higher level math**	**44**	**4-5**				
Winter Term							
HOR-133	Horticulture Practicum/Winter	44	2				
HOR-216	Integrated Pest Management	33	3				
HOR-222	Horticultural Computer Applications	20	2				
HOR-227	Plant Identification/Winter	44	4				
HOR-230	Equipment Operation & Maintenance	44	2				
				FYE-101	First Year Experience Level I	22	2
Spring Term							
BA-285 Or COMM-100	**Human Relations in Business or Basic Speech Communication**	**33-44**	**3-4**				
HOR-112	Horticulture Career Exploration	24	2				
HOR-120	Pesticide Laws & Safety	12	1				
HOR-140	Soils	33	3				
HOR-143	Horticulture Practicum/Spring	44	2				
HOR-228	Plant Identification/Spring	44	4				
Summer Term							
HOR-280	Horticulture/CWE	90	3				
WR-101 Or WR-121	**Communication Skills: Occupational Writing or English Composition**	**33-44**	**3-4**				
TOTAL CURRENT CREDITS:			49-52	**TOTAL PROPOSED CREDITS:**			51-54

College Contact	April Chastain	Telephone No.	3055
E-Mail Address		Fax No.	
Chief Academic Officer *or* PTE Dean Signature		Date	1/15/21

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
(For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		☐ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title *(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)*	APPROVED CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			APPROVED Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AAS Title: Web Design & Development AAS.WEBDESIGNDEV	**11.1004**			√ **AAS (90-108 credits)**	**97-99**
Option Title**				☐ *OPTION* to AAS Degree	
Related Certificates: Web Design Certificate				☐ Certificate of Completion	

**Enter name of base degree in 'AAS Title' box
Last amendment approved on 05.03.19

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program++** ☐ **Title Change for Program**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**
		Proposed Total Credits: · **94-96**
Proposed **AAS Title:**		
Proposed **OPTION Title:**		
Proposed **Certificate Title:**		
☐ *SUSPENSION* of Program	*Reason for Suspension:*	
Suspension Effective Date:		

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	**Title**	**Hours**	**Credits**	**Course**	**Title**	**Hours**	**Credits**
Web Design & Development Associate of Applied Science Degree: 1st Year							
Fall Term							
ART-225	Computer Graphics I	66	3				
CS-125H	HTML & Web Site Design	33	3				
CS-140	Introduction to Operating Systems	44	4				
CS-160	Computer Science Orientation	44	4				
Winter Term							
CS-133S	Introduction to JavaScript & Server-Side Scripting	33	3				
CS-151 Or CS-275	Networking I Or Database Design	33-66	3-4				
CS-181	CMS Web Development	33	3				
CS-195	Flash Web Development	33	3	REMOVE			
				--	Web Design & Development program elective		3
Spring Term							
CS-135I	Advanced Web Design with Dreamweaver	33	3				
CS-234J	jQuery Web Development	33	3				
CS-234P	PHP/MySQL Web Development	33	3				
CS-240L	Linux Administration I	44	4	Move to Term 5			
				ART-226	Computer Graphics II	66	3
Summer Term							
CS-280	Computer Science/CWE	108	3				
MTH-065 Or higher	**Algebra II or higher level of math**	**44**	**4-5**				
WR-121	**English Composition**	**44**	**4**				
--	**Human Relations requirement (see page 82)**		**3-4**				
Web Design & Development Associate of Applied Science Degree: 2nd Year							
Fall Term							
ART-226	Computer Graphics II	66	3	Move to Term 3			
CS-135DB	Microsoft Access	33	3				
CS-280	Computer Science/CWE	108	3				
WR-122	English Composition	44	4				
				CS-240L	Linux Administration I	44	4
Winter Term							
CS-151 Or	Networking I Or	33-66	3-4				

CS-275	Database Design							
CS-240W	Windows Desktop Administration	55	3					
CS-280	Computer Science/CWE	108	3					
WR-227	Technical Report Writing	44	4					
--	**PE/Health/Safety/First Aid requirement (see page 82)**		**1**					
Spring Term								
ART-227	Computer Graphics III	66	3					
BA-103	Business Strategies for Computer Consultants	33	3					
CS-289	Web Server Administration	66	4					
CS-297W	Website Capstone	33	3					
DMC-221	Introduction to 2D Animation: Design & Techniques	66	3	REMOVE				
Web Design & Development Program Electives								
				Any ART, BA, CS, or DMC course not included in the Web Design & Development AAS program.				
TOTAL *CURRENT* CREDITS:			97-99	**TOTAL *PROPOSED* CREDITS:**				94-96

College Contact	Debra Carino	**Telephone No.**	3170
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* PTE Dean Signature	*[signature]*	**Date**	1/25/21

COMMUNITY COLLEGES AND WORKFORCE DEVELOPMENT — WORKSOURCE OREGON	**COMMUNITY COLLEGE PROGRAM AMENDMENT FORM** (For changes to State Approved Associate of Applied Science degree, AAS option and Certificate of Completion programs)

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http://www.ode.state.or.us/search/results/?id=231

College:	Clackamas Community College	Date	1/20/2021

CAREER LEARNING AREA

☐	Ag, Food & Natural Resource Systems	☐	Health Services
☐	Arts, Information & Communications	☐	Human Resources
☐	Business & Management	☐	Industrial & Engineering Systems

PROGRAM INFORMATION

APPROVED Program Title *(For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)*	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award		Current Credits
	6-digit CIP	*7th digit*	*8th digit*			
AAS Title: **Web Design & Development AAS**				☐	**Associate of Applied Science (AAS) Degree**	
Option Title******				☐	*OPTION* to AAS Degree	
Certificate Title: *Within* **AAS Degree? √ Yes** ☐ No** **Web Design** CC.WEBDESIGN2	**11.0801**			√	**CC1R Related Certificate (45-60 credits)**	**52-56**

**Enter name of base degree in 'AAS Title' box
CS-150 updated to CS-160, plus one credit, on 06.04.18 (no approval)

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ **New Program++** ☐ **Title Change for Program**	☐ **Curriculum Revision**	☐ **Revision in Program Credits**	
		Proposed **Total Credits:**	
Proposed **AAS Title:**			
Proposed **OPTION Title:**			
Proposed **Certificate Title:**			
☐ *SUSPENSION* of Program	*Reason for Suspension:*		
Suspension Effective Date:			

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 19-20 [List entire curriculum as last approved)				PROPOSED CURRICULUM 20-21 [List only course(s) to be amended]			
Course	**Title**	**Hours**	**Credits**	**Course**	**Title**	**Hours**	**Credits**
Fall Term							
ART-225	Computer Graphics I	66	3				
CS-125H	HTML & Web Site Design	33	3				
CS-140	Introduction to Operating Systems	44	4				
CS-160	Computer Science Orientation	44	4				
Winter Term							
CS-133S	Introduction to JavaScript & Server-Side Scripting	33	3				
CS-151 Or CS-275	Networking I or Database Design	33-66	3-4				
CS-181	CMS Web Development	33	3				
CS-195	Flash Web Development	33	3		REMOVE		
				--	Web Design program elective		3
Spring Term							
ART-226 Or CS-240L	Computer Graphics II or Linux Administration I	44-66	3-4				
CS-135I	Advanced Web Design with Dreamweaver	33	3				
CS-234J	jQuery Web Development	33	3				
CS-234P	PHP/MySQL Web Development	33	3				
Summer Term							
CS-280	Computer Science/CWE	108	3				
MTH-065 Or higher	**Algebra II or higher level math**	**44**	**4-5**				
WR-121	**English Composition**	**44**	**4**				
--	**Human Relations requirement (see page 82)**		**3-4**				
Web Design Program Electives							
				Any ART, BA, CS, or DMC course not included in the Web Design CC program.			
TOTAL *CURRENT* **CREDITS:**			52-56	**TOTAL** *PROPOSED* **CREDITS:**			

College Contact	Debra Carino			Telephone No.	3170		
E-Mail Address	dcarino@clackamas.edu			**Fax No.**			
Chief Academic Officer *or* **PTE Dean Signature**						**Date**	**1/25/21**

Program	Implementation
AAT English Literature	2021/SU

Associate of Arts Transfer Degree (AAT) - English Literature

Requirements	Courses *Choose from the following courses to meet degree requirements.* *All courses must be passed with a C or better.*
Writing 2 courses, information literacy will be included in the Writing Requirement.	**WR**-121 and 122
Literature 2 courses	**ENG**- 201 or 202 and **ENG**-204, 205, 253 or 254
Mathematics - 1 course not required at PSU for the BA; will count toward UNST placement	**MTH**-105 or higher
GENERAL EDUCATION DISTRIBUTION AREA Arts & Letters • Take two 200-level literature courses • Each course must be at least 3 credits. - If students take American or British survey courses they will count toward major requirements at WOU - At OSU these courses only count toward the major and students will need to take another Arts and Letters course - At EOU, SOU, UO & PSU the first course also counts toward major requirements (at PSU up to 12 credits of 200-level English literature can count toward the major) - At EOU and SOU the second course also counts toward major requirements (at PSU up to 12 credits of 200-level English literature can count toward the major)	**ENG**-201, 202, 204, 205, 213*, 218, 226, 240*, 241*, 250*, 251*, 252*, 253, 254, 255, 260, 261*, 266, 270, 271*, 272*, 273*, 295*, 296
GENERAL EDUCATION DISTRIBUTION AREA Social Science • Take 2 courses • Each course must be at least 3 credits.	**ANT**-101, 102*, 103*, 231*, 232* **CJA**-101, 201 **EC**-200, 201, 202 **GEO**-100*, 110*, 130*, 208* **HE**-163, 164 **HST**-101*, 102*, 103*, 130*, 131*, 132*, 136*, 137*, 138*, 201*, 202*, 203* **HUM**-237* **PS**-200*, 201, 203, 204, 205, 225, 297 **PSY**-200, 205*, 215, 219*, 231* **SOC**-204*, 205*, 206*, 210*, 225* **SSC**-235*, 237*, 240*, 241*, 242* **WS**-101*
GENERAL EDUCATION DISTRIBUTION AREA Natural Science • Take 2 lab science courses • Each course must be at least 4 credits. At PSU the second Natural Lab Science course counts towards UNST placement	**ASC**-175, 176, 177 **BI**-101, 102, 103, 112, 160L, 165CL, 165D, 175, 176, 177, 204, 211, 212, 213, 231, 232, 233, 234 **CH**-104, 105, 106, 112, 114, 221, 222, 223 **ESR**-171, 172, 173 **G**-101, 102, 103, 145, 148, 201, 202, 203 **GS**-104, 105, 106, 107 **PH**-121, 122, 123, 201, 202, 203, 211, 212, 213 **Z**-201, 202, 203
Cultural Literacy - 1 course	Courses meeting the Cultural Literacy requirement are noted with an asterisk.
World Languages	**ASL**-203* or **FR**- 203* or **SPN**-203*
Elective Courses Any college-level course that would bring total credits to 90 credits. Students should take courses to satisfy their minor of choice that will transfer	Recommended: **COMM**-111 **ENG**-104, 105, 106, 116, 121, 130, 194, 195, 230 **WR**-140, 148, 149, 240, 241*, 242, 243, 244*, 245, 246, 247, 248, 250, 262, 263, 265, 268, 270 Or Any Philosophy (**PHL**), Music or Theater appreciation (**MUS, MUP, TA**), US History

to the Oregon public university of their choice. Please work with an English Department Advisor to identify possible courses to satisfy a specific minor at a partnering institution.	(**HST**), or additional Biological (**BI**) or Physical Science courses. Other courses numbered 100 or above may be used in this area, which may include up to 12 credits of career technical courses. Please refer to Elective Course List for AAOT, ASOT-Business, and ASOT-Computer Science, pages 160-161, for a listing of courses that may be included

*Course meets Cultural Literacy requirement.

See course descriptions, pages 162-260, for course requisites.

No course may be used to satisfy more than one requirement or distribution area.

EFA	Implementation
EFA, Teaching & Education	2021/SU

COMMUNITY COLLEGE PROGRAM AMENDMENT FORM
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College:	Clackamas Community College	Date	

CAREER LEARNING AREA

☐ Ag, Food & Natural Resource Systems		☐ Health Services	
☐ Arts, Information & Communications		☐ Human Resources	
☐ Business & Management		☐ Industrial & Engineering Systems	

PROGRAM INFORMATION

APPROVED Program Title (For Official Program Title, refer to your directory at http://www.ode.state.or.us/search/results/?id=232)	*APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)			*APPROVED* Recognition Award	Current Credits
	6-digit CIP	*7th digit*	*8th digit*		
AAS Title:				☐ Associate of Applied Science (AAS) Degree	
Option Title**				☐ *OPTION* to AAS Degree	
EFA, Teaching & Education EFA.TEACHEDUC				√ **EFA**	**17**

TYPE OF PROGRAM AMENDMENT
(Check **ALL** That Apply)

☐ New Program++ ☐ Title Change for Program	☐ Curriculum Revision	✓ Revision in Program Credits
		Proposed Total Credits:
Proposed AAS Title:		
Proposed OPTION Title:		
Proposed Certificate Title:		
☐ *SUSPENSION* of Program	Reason for Suspension:	
Suspension Effective Date:		

++If new program is an additional award for an existing degree or certificate, complete 'Program Information' section for existing program.

CURRICULUM AMENDMENT

[List in a Defined Sequence of Courses Format, e.g., Quarter-to-quarter mapping.
For a New Program, complete the Proposed Curriculum section only.]

CURRENT CURRICULUM 20-21 [List entire curriculum as last approved)				PROPOSED CURRICULUM 21-22 [List only course(s) to be amended]			
Course	Title	Hours	Credits	Course	Title	Hours	Credits
ED-100	Introduction to Education		4	REMOVE			
FYE-101	First Year Experience Level I		2				
HPE-295	Health & Fitness for Life		3				
MTH-065 Or MTH-211	Algebra II Or Fundamentals of Elementary Math I		4	MTH-065 Or MTH-211 Or MTH-212 Or MTH-213	Algebra II Or Fundamentals of Elementary Math I Or Fundamentals of Elementary Math II Or Fundamentals of Elementary Math III		4
WR-121	English Composition		4				
				ED-216	Foundations of Teaching & Education		4
TOTAL *CURRENT* CREDITS:			17	TOTAL *PROPOSED* CREDITS:			

College Contact		**Telephone No.**	
E-Mail Address		**Fax No.**	
Chief Academic Officer *or* PTE Dean Signature		**Date**	