

Course Number	Title	Related Instruction Area
BA-104	Business Math	Computation
MTH-065	Algebra II	Computation
HE-163	Body & Drugs I: Introduction to Abuse &	Health/PE
HE-164	Body & Drugs II: Alcohol	Health/PE

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: December 6, 2019 Certified General Education Area(s): None

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 - 104

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: Business Math

Course Description:

Apply mathematics to a variety of transactions found in the business world, from finance to project management, and from sales to accounting, including: taxes, product or service mark-ups and mark-downs; simple and discounted interest; present and future value of a single sum of money and annuities; gains, losses, and valuations of stocks, bonds, mutual funds, and other investments; depreciation; inventory valuation; and financial ratio analysis. This course meets the Related Instruction Computation requirement.

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): Multiple Business AAS degrees and certificates

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-020

**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?

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. demonstrate and apply basic business math and analysis skills, to include working with fractions, decimals, percentages, ratios, interest, and taxes;
2. process and interpret information to arrive at logical conclusions to common business math applications;
3. solve math problems that apply to a variety of business transactions, from the areas of finance to project management, sales to accounting, and more;
4. comprehend the important role math plays in the business world.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Review and Application of Math for Problem Solving (Fractions, Decimals, and Percentages, as applied to Business, Accounting and Retail)
2. Banking, Promissory Notes, Simple and Discounted Interest
3. Trade Discounts, Markups and Markdowns, Installment Sales
4. Payroll and Payroll Taxes
5. Present/Future value, Annuities and Sinking Funds
6. Basic Accounting and Financial Statement Concepts
7. Inventory Valuation Methods
8. Depreciation
9. Various Types of Taxes

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)
- PSU (Portland State University)
- OSU (Oregon State University)

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

How does it transfer? (Check all that apply)

general elective

:

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: December 6, 2019 Certified General Education Area(s): None

Section #1 General Course Information

Department: Mathematics

Submitter

First Name: Adam
Last Name: Hall
Phone: 3326
Email: adamh

Course Prefix and Number: MTH - 065

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: Algebra II

Course Description:

The second term of topics in algebra using the rule-of-four approach: graphs, tables, words, and equations. This course emphasizes algebraic skills, as well as problem solving and graphical techniques with the use of a graphing utility.

Type of Course: Developmental Education

Can this course be repeated for credit in a degree?

No

Are there prerequisites to this course?

Yes

Pre-reqs: MTH-060 with a C or better, or placement in MTH-065

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?

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**

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 and solve a linear system graphically or algebraically for an application or situation and interpret the results;
2. create and perform exponential and polynomial arithmetic for an application or situation and interpret the results;
3. create and solve a polynomial equation algebraically for an application or situation, and interpret the results;
4. create a linear or quadratic function or equation model for an application or situation and interpret the results.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Properties of exponents
2. Polynomials
3. Factoring
4. Functions
5. Systems of linear equations
6. Linear equations and linear inequalities

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: December 6, 2019 Certified General Education Area(s): Social Science

Section #1 General Course Information

Department: PE/Health/Athletics

Submitter

First Name: Tim
Last Name: Pantages
Phone: 3792
Email: timp

Course Prefix and Number: HE - 163

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: Body & Drugs I: Introduction to Abuse & Addiction

Course Description:

The first of a four-course sequence, this course examines the history of the use of addictive drugs, the definition of addiction, psychosocial and neurobiological causes of drug and behavioral addiction, addictive drug classifications, and the history of/introduction to addiction treatment, and access and utilize effective resources to improve and maintain mental and physical wellbeing.

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:

Social Science

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

Yes

Name of degree(s) and/or certificate(s): Human Services, Criminal Justice, Health Fitness Technology

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?

Yes

Area: Physical Education/Health

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. summarize five historical themes of drug use across all cultures;
 2. describe the continuum of drug use;
 3. discuss the five main routes of administration of drugs;
 4. identify and explain the process of neurophysiological addiction;
 5. summarize the history of addiction treatment;
 6. access and utilize effective resources to improve and maintain mental and physical well being.
-

**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

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

- P** 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

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

:

Major Topic Outline:

1. Brief history of alcohol and drug use.
2. Definition and categories of psychoactive drugs.
3. Classification of psychoactive drugs.
4. Overview of physiology/neurobiology of addiction.
5. History of addiction treatment.

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)

- | | |
|--|--|
| <input checked="" type="checkbox"/> EOU (Eastern Oregon University) | <input checked="" type="checkbox"/> PSU (Portland State University) |
| <input checked="" type="checkbox"/> OIT (Oregon Institute of Technology) | <input checked="" type="checkbox"/> SOU (Southern Oregon University) |
| <input checked="" type="checkbox"/> OSU (Oregon State University) | <input checked="" type="checkbox"/> UO (University of Oregon) |
| <input checked="" type="checkbox"/> OSU-Cascade | <input checked="" type="checkbox"/> WOU (Western Oregon 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:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: December 6, 2019 Certified General Education Area(s): Social Science

Section #1 General Course Information

Department: PE/Health/Athletics

Submitter

First Name: Tim
Last Name: Pantages
Phone: 3792
Email: timp

Course Prefix and Number: HE - 164

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: Body & Drugs II: Alcohol

Course Description:

The second of a four-course offering. Covers beverage alcohol as a drug, the history of alcohol use/abuse, physiological and psychological effects of alcohol use on the user, and the impact of that use on those around the user and on society at large, access and utilize effective resources to improve and maintain mental and physical wellbeing.

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:

Social Science

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

Yes

Name of degree(s) and/or certificate(s): Human Services, Criminal Justice, Fitness Technology

Are there prerequisites to this course?

Yes

Pre-reqs: HE-163

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?

Yes

Area: Physical Education/Health

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. describe the three basic categories of beverage alcohol;
 2. summarize the history of alcohol use;
 3. summarize direct and/or indirect consequences of alcohol consumption on the major physiological systems of the body;
 4. access and utilize effective resources to improve and maintain mental and physical well being.
-

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**

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

- P** 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

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**

:

Major Topic Outline:

1. History of alcohol use.
2. Personal and societal costs of alcohol abuse.
3. Types of alcohol.
4. Physiological effects of alcohol consumption.

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?

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)

- | | |
|--|--|
| <input checked="" type="checkbox"/> EOU (Eastern Oregon University) | <input checked="" type="checkbox"/> PSU (Portland State University) |
| <input checked="" type="checkbox"/> OIT (Oregon Institute of Technology) | <input checked="" type="checkbox"/> SOU (Southern Oregon University) |
| <input checked="" type="checkbox"/> OSU (Oregon State University) | <input checked="" type="checkbox"/> UO (University of Oregon) |
| <input checked="" type="checkbox"/> OSU-Cascade | <input checked="" type="checkbox"/> WOU (Western Oregon 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:

Next available term after approval

:

Course Number	Title	Implementation
HS-260	Victim Advocacy & Assistance	2020/SU

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Date approved: March 6, 2015 Certified General Education Area(s): None

Section #1 General Course Information

Department: ECED - Education & Human Services

Submitter

First Name: Yvonne
Last Name: Smith
Phone: 3207
Email: yvones

Course Prefix and Number: HS - 260

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: Victim Advocacy & Assistance

Course Description:

Provides skills for working with a diverse group of crime victims, including, but not limited to, victims of homicide, sexual assault, child abuse and domestic violence. Topics include: theories of victimology, victim's rights evolution, crisis intervention, stress reactions and post-traumatic stress syndrome.

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): Human Services Generalist Programs

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**

✓ **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. summarize the origins of the victims' movement, and discuss current issues in the field;
2. describe the role and responsibilities of professionals in the criminal justice system continuum, and the interaction among these entities;
3. identify pre- and post victimization issues important to the recovery of the victim,
4. describe stress and crisis theories as they apply to crisis intervention techniques,
5. identify long-term stress reactions, depression, anxiety disorder and post-traumatic stress disorder;
6. apply crisis intervention models that can be used with victim in acute stages of psychological crisis, acute situational crisis, and acute stress disorder;
7. describe the stages of grief as faced by homicide victims, define support factors essential to survivors of homicide;
8. identify the necessary requirements for Crime Victims' Compensation and the VINE System,
9. describe trauma bonding in relationship to crime victims,
10. demonstrate the principles of healthy self-care.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. History of the Victim's Movement.
2. Criminal Justice System.
3. Homicide -Death Notification.
4. Self Care.
5. Trauma Bonding.
6. Post Traumatic Stress Disorder.
7. Crime Victims' Compensation.
8. VINE.
9. Crisis Intervention Theories.

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

:

Course Number	Title	Implementation
APR-111UE	Line Estimator Basic I: Tools and Equipment	2020/SP
APR-112UE	Line Estimator Basic II: Electrical Theory	2020/SP
APR-113UE	Line Estimator Basic III: Wire Circuits	2020/SP
APR-121UE	Line Estimator Theory I: Operations	2020/SP
APR-122UE	Line Estimator Theory II: Standards	2020/SP
APR-123UE	Line Estimator Theory III: Power Line	2020/SP
APR-131UE	Electric Utility System Operation (EUSO)	2020/SP
APR-132UE	Estimator Navigational Mapping	2020/SP
APR-133UE	Estimator Facility Point Inspection	2020/SP
APR-134UE	Estimator Phase Design	2020/SP
APR-135UE	Estimator Metering	2020/SP
APR-136UE	Estimator Transformer Training	2020/SP
APR-137UE	Estimator Field Functions	2020/SP
APR-231UE	Line Estimator Responsibility I: Live Line	2020/SP
APR-232UE	Line Estimator Responsibility II: Substation	2020/SP
APR-233UE	Line Estimator Responsibility III: Field Responsibility	2020/SP
ENG-296	Adaptation: Literature into Film	2020/SP
UTL-100	Orientation to Utility Trades Technology	2020/SP
UTL-107	Career Strategies in Utilities	2020/SP
UTL-171	Utility Industry Workplace Health Awareness	2020/SP
UTL-172	Utility Industry Safety Development	2020/SP
UTL-174	Groundworker Training	2020/SP
UTL-175	Initial Pole Climbing	2020/SP

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 111UE

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: Line Estimator Basic I: Tools and Equipment

Course Description:

This course covers the principles and concepts that govern field operations. Students will learn to explain and summarize the basics of electric utility energy systems. The focus is on estimator field responsibilities and equipment used in the field.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technologies 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Demonstrate basic knowledge of field operations, explain the basics of electrical utility systems;
2. Interpret operational standards and service area requirements that affect electric utility systems,
3. Design, develop, and disseminate field and operational level performance measurements,
4. Demonstrate an understanding of the terms and conditions of your Training Agreement and authority of the Joint Committee,
5. Identify commonly used hand tools of the trade and their uses,
6. Discuss the fall protection options that are available once the need for fall protection has been established, list the climbing hazards that a lineman needs to be aware of, demonstrate proper climbing technique;
7. List hazardous situation when using power equipment, demonstrate how to give basic hand signals for material handling, identify good construction site safety procedures;
8. Demonstrate proper tool usage in regards to safety, productivity and the tool's life span;
9. Describe the need for climbing safety.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. 1. Quality characteristics the electric industry joint training committee (JATC) seeks in an applicant for training.
2. Relationship between labor and management in terms of employer profits, employee wages and customer relations.
3. Protecting yourself and others from electrical shock hazards by understanding how electrical shocks occur.
4. Precautions which need to be taken to protect the public and the workers.
5. Care for and inspect climbing equipment.
6. Communication in the electrical industry.
7. Uses and care of rubber blankets and line hoses.
8. Four acceptable methods of bucket rescue.
9. Duties of the authorized entrant, attendant and entry supervisor when working in permit- required confined spaces.
10. Major elements of the OSHA Blood-borne Pathogen Standard.
11. Safety precautions associated when hauling and unloading poles.
12. Pole preparation terminology

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 112UE

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: Line Estimator Basic II: Electrical Theory

Course Description:

This course covers the principles and concepts that govern electrical field operations. Students will utilize math and electric theory applications in the field. The focus is on electric utility systems.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Demonstrate the ability to convert units of electrical measurement,
2. Tie proper knots and explain how different anchors should be installed,
3. Demonstrate the ability to mathematically solve percentage problems and work with arithmetic signs of operation in setting up and solving algebraic definitions,
4. Demonstrate an understanding of the term valence (free) electron by explaining how electron movement produces current flow,
5. Define electrical terms and recognize appropriate symbols and identify and describe the different means of producing electric current,
6. Calculate safe working loads and rigging methods for blocks,
7. Demonstrate how a change in force (volts) or resistance (ohms) affects the current (amperes).

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. All forms of fractions.
2. The structure of matter.
3. Application of slings and chokers.
4. Proper types of Personal Protective Equipment (PPE) for the conditions which are present on the job.
5. Proper ladder use on the jobsite.
6. Two-way radio use for proper communication methods and techniques.
7. Guy installation techniques.
8. Electrical units of measurement.
9. Properties of different types of rope.
10. Anchor installation.

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 113UE

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: Line Estimator Basic III: Wire Circuits

Course Description:

This course covers principles and concepts that govern safe wiring and circuit applications, safe working procedures, Ohm's Law calculations and use of aerial lift in field operations. The focus is on electric utility systems. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Explain how electrical conductors are sized and classified,
2. solve mathematical problems involving the addition of fractions with different denominators,
3. solve problems involving voltage in parallel circuits using Ohm's Law,
4. determine the total current in parallel circuits by determining the equivalent resistance of the circuit and solving for current,
5. calculate the total power consumed in a parallel circuit using the power consumed by individual components,
6. list the different components that are involved in the electric system, explain how to properly install overhead services, describe proper tree trimming procedures.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Terms used in conductor stringing.
2. Electron flow creating magnetic fields.
3. Field reactions to physical changes caused by magnetic fields.
4. Basic purpose and operation of a generator.
5. Power requirements of a circuit when it is necessary to do so.
6. Essential parts of an underground system.
7. Construction techniques in the building of a manhole or vault.
8. Types of stranded conductors.
9. General pulling practices and cautions.
10. Components and their uses in URD systems.
11. Grounding electrical circuits and equipment and describing the use of protective grounds.
12. Elements necessary for all lockout/tagout programs.
13. Circuits containing parallel resistors.
14. Factors considered in conductor selection.
15. Proper components to be used for tying conductors.

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:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 121UE

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: Line Estimator Theory I: Operations

Course Description:

This course covers the principles and concepts of electrical laws, codes, work safety habits, electrical calculations and electrical apparatus for power line work. the focus is on installation process for transformers, test equipment and field equipment.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. explain the basic theory of electrical energy generation,
2. identify the variety of conditions that can effect voltage drop,
3. use an MSDS sheet to identify potential chemical hazards,
4. calculate the voltage between different phases on the various transformer connections,
5. identify proper transformer connections by voltage needs,
6. calculate line to line voltages, calculate line to ground voltages,
7. connect transformers to deliver all voltage covered in the lesson,
8. identify distinguishing characteristics of various types of transformers,
9. draw connections for three-phase transformer banks, at various voltages connected in the following configurations: wye-delta, delta-wye, open delta;

This course does not include assessable General Education outcomes.

Major Topic Outline:

Electrical principles

1. Laws that govern electric utility operations
 2. Codes that dictate performance standards
 3. Work safety habits
 4. Electrical apparatus for outside power line work
 5. Factors which are considered by the courts in sexual harassment cases
- Line Estimator Theory 1 Section A: OPERATIONS Topics:
1. Mounting methods used for different size distribution transformers.
 2. Advantages of using a CSP transformer over a conventional transformer.
 3. Relationship of mutual inductance to the operation of transformers.
 4. Types of distribution circuits.
 5. Calculate square roots in class and the job, which will enable you to solve many mathematical/electrical problems.
 6. Basic Ohm's Law formulas as they apply to DC theory.
 7. Factors which are considered by the courts in sexual harassment cases
 8. Connections for three-phase transformer banks, at various voltages, connected in the following configurations: wye-delta, delta-wye, open delta.
 9. Safety procedures for connecting wye and delta connections.
 10. Uses of different WYE and DELTA three-phase systems.
 11. Transformers that are additive and those that are subtractive in polarity.
 12. Transformer nameplate data.
 13. Principle parts of a generator.
 14. Basic principles of voltage drop (line loss or line drop).
 15. Major provisions of the OSHA Hazard Communication Standard.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 122UE

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: Line Estimator Theory II: Standards

Course Description:

This course covers the principles and concepts of codes that dictate performance standards and safe work practices found in OSHA 1910.269. The focus is on interpreting schematic drawings, reading blue prints and staking sheets, methods for storing explosives, crane set up and criteria for safe boom lift.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Prepare a tower footing for pouring concrete,
2. describe the procedures for erecting a tower,
3. identify the different parts of a tower,
4. explain the purpose of traffic signals,
5. identify four traffic signal equipment areas,
6. determine when phasing-out is necessary,
7. identify commonly used hot line tools including wire tongs and saddles, tie sticks, line sticks, auxiliary arms, lever lifts, strain carriers, dead-end insulators, tools and gin poles.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electrical principles.
2. Laws that govern electric utility operations.
3. Codes that dictate performance standards.
4. Work safety habits.
5. Electrical apparatus for outside power line work.
6. Factors which are considered by the courts in sexual harassment cases.
7. Primary purpose for the use of blueprints.
8. Different types of splices used on full-tension conductors.
9. Purpose of faulted circuit indicators.
10. Effects of environmental conditions on the performance of electrical insulation.
11. Criteria for making a safe lift with a boom.
12. Different types of views found on a blueprint.
13. Interpretation of schematic drawings.
14. Reading a staking sheet.
15. Differences between a level and a transit.
16. Methods for storing explosives.
17. Electrical conductor sizing and classification.
18. Defects found in line insulators.
19. Differences between low voltage and high voltage terminations.
20. Insulation characteristics.
21. Procedures for removing the jacket from the cable.
22. Assembling and setting up a crane for lifting.

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 123UE

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: Line Estimator Theory III: Power Line

Course Description:

This course covers electrical laws, work safety habits and electrical apparatus for power line work. The focus on safe working loads, street lighting circuits, connectors, conductors and ways to protect lines from abnormal voltage. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Prepare a tower footing for pouring concrete,
2. Explain the purpose of traffic signals, identify four traffic signal equipment areas;
3. Determine when phasing-out is necessary,
4. Identify commonly used hot line tools including wire tongs and saddles, tie sticks, line sticks, auxiliary arms, lever lifts, strain carriers, dead-end insulators, tools and gin poles;
5. Describe the procedures for erecting a tower, identify the different parts of a tower;
6. Describe different conductor reinforcing methods,
7. Define radius, circumference, area, and diameter,
8. Describe a series street lighting circuit.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electrical principles.
2. Laws that govern electric utility operations.
3. Codes that dictate performance standards.
4. Work safety habits.
5. Electrical apparatus for outside power line work.
6. Factors which are considered by the courts in sexual harassment cases.
7. Safety procedures for operating a boom truck.
8. Safe working loads for wire rope and chain.
9. Different types of connectors used in joining conductors.
10. Four methods of sagging line conductors.
11. Comparing the English system with the metric system.
12. Math problems involving area and volume.
13. Difference between incandescent lamps and electric-discharge lamps used in street lighting.
14. Difference between a closed-loop and an open-loop series street lighting circuit.
15. Devices that are used to protect lines from abnormal voltage.
16. Operations in tower erection.
17. Traffic signal terminology.
18. Standardized conductor color code.
19. Safety factors that should be observed when tying-in circuits.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 131UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Electric Utility System Operation (EUSO)

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on understanding electrical utility operations and maintenance of the power grid.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Demonstrate basic knowledge of field operations,
2. Explain the basics of electrical utility systems,
3. lead discussions to further understanding of energy charges, power factor charges and demand charges;
4. Interpret operational standards and service area requirements that affect electric utility systems,
5. Design, develop, and disseminate field and operational level performance measurements.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electric Utility System Operation (EUSO)
2. Customer Service Guarantees
3. CSS/RCMS Work Tracking

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Utility Training Alliance

Submitter

First Name: **Shelly**
Last Name: **Tracy**
Phone: **0945**
Email: **shellyt**

Course Prefix and Number: APR - 132UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Navigational Mapping

Course Description:

Principles and concepts that govern field operations. Explain and summarize the basics of electric utility energy systems. Focus is on computer applications used to manage service to customers. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): **Electrical Apprenticeship Technologies 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. apply the basic mapping system including: the use of general tools, applying selection, navigation and query information in FAAR; map grids; facility numbering system and map symbology;
2. explain the purpose and importance of the Customer Service Commitments and what ExISO9001 means to PacifiCorp,
3. demonstrate how to find information, explain the estimator responsibilities involved; initiate and send a failure report; demonstrate an understanding of initial RQWM searches and have practice locating the website;
4. demonstrate navigation for job creation in CSS and RCMS; practice how to find customer and service information; explain request types and their use; demonstrate how to find and use additional descriptions, add comments and printing; steps required to input a job.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. OMS 1 for Estimating.
2. Construction Standards.
3. CSS/RCMS Design Principles.
4. Mapping Overview.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 133UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Facility Point Inspection

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on permits, regulation, contracts, facility point inspections and what comprises the estimator's tool box.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe the process regarding permits and right of way, how to complete right of way documents and downloading of forms;
2. Describe Rates and Regulations and how they are applied within PacifiCorp,
3. Navigate the intranet web location plus rate and regulatory information,
4. Utilize the Rate and Regulatory Manual including terms and definitions,
5. Explain state line extension policies,
6. Follow the process and procedure for billing customers using an external invoice including creating an external invoice vs JTON contract, select the correct agreement and accounting, process documents from customers, utilize billing information, successfully create, update and delete an external invoice in CSS;
7. Describe OHMs law, and apply the principles of basic electricity,
8. Describe the different PacifiCorp system voltages and do hand calculations for voltage drop,
9. Explain the role and responsibilities of a Facility Point Inspection Area Administrator,
10. Use what is in the estimator tool box, both tangible equipment and external resources, that make an estimators work more efficient and effective.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Permits, Surveys and Right of Way.
2. Regulation, Policies & Procedures.
3. Estimator Tool Box I.
4. Electricity I.
5. Transformer I.
6. Facility Point Inspection - Area Administrator.
7. Electric Service Contracts.

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 134UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Phase Design

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on single and three phase construction projects. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe Single Phase Residential both UG and OH,
2. Compile field notes from residential site visits,
3. Demonstrate the process by completing sketching, design, customer interaction, approval and material ordering;
4. Describe Three Phase OH Line Construction,
5. Compile field notes from construction site visits,
6. Begin and complete the process for sketching, design, customer interaction, approval and material ordering.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Single Phase Residential both UG and OH
2. Three Phase OH Line construction

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 135UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Metering

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on theory, tools, motors and controllers, the grid, and computer applications.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe electrical theory including: application of tools, motor types and controllers;
2. Navigate mapping system including: general tools, selection navigation and query information in FAAR; map grids, facility numbering systems and map symbology;
3. Successfully input metering data for the installation, testing and verification of meters in CSS;
4. Explain the differences between light source types, lamp construction and describe steps taken when troubleshooting;
5. Compile field notes from site visits,
6. Summarize the process for sketching, design, customer interaction, approval and material ordering and complete the entire process from beginning to end.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electricity II – ILT.
2. Transformer II.
3. Primary Metering-ILT.
4. Complex Meter Training for CSS-ILT.
5. Street Lighting Maintenance-ILT.
6. Company System Rebuild-ILT.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 136UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Transformer Training

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on beginning to end site management for residential and commercial sites.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe sizing for three phase transformers,
2. Compile field notes from residential site visits,
3. Successfully complete the process for sketching, design, customer interaction, approval and material ordering for a residential job;
4. Accurately compile field notes from commercial site visits,
5. Summarize the process for sketching, design, customer interaction, approval and material ordering for commercial jobs, and successfully complete the process.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Three Phase Transformer Sizing-ILT.
2. Three Phase UG Residential Subdivision-ILT.
3. Single Phase and Three Phase Commercial Cust-ILT.

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

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Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 137UE

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Estimator Field Functions

Course Description:

This course covers the principles and concepts that govern field operations. Students will explain and summarize the basics of electric utility energy systems. The focus is on estimator field responsibilities and equipment used in the field.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe the use of specialized equipment and the technical theories used in an electrical system,
2. Cite company policy on wildlife protection including federal requirements and follow reporting procedures,
3. Compile field notes from non-standard visits,
4. Complete the process for sketching, design, customer interaction, approval and material ordering for a non-standard job;
5. Accurately compile field notes from highway relocation OH/UG site visits,
6. Summarize the process for sketching, design, customer interaction, approval and material ordering for highway relocation OH/UG jobs, and successfully complete the process;
7. Compile field notes from transmission estimating visits,
8. Complete the process for sketching, design, customer interaction, approval and material ordering for a transmission estimating job.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Specialized Equip & Tech Theories-ILT.
2. Raptor Safe Design-ILT.
3. Non-Standard Estimating-ILT.
4. Highway Relocation OH/UG-ILT.
5. Transmission Estimating-ILT.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 231UE

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: Line Estimator Responsibility I: Live Line

Course Description:

This course covers the principles and concepts that govern field responsibilities related to line maintenance. The focus is on ground resistance, pole replacement and live line maintenance, fiber optic types, and codes and standards for installation procedures. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Discuss difference between direct and alternating current, apply the proper multiplier to be used for an installation;
2. Describe the symbols used in AC theory, explain the properties of inductance, identify the parts of a capacitor;
3. Explain the proper procedures for discharging a capacitor;
4. Apply safety practices that are to be followed when working with fiber optic cable, identify the different types of underground installations, install and remove rubber protective devices;
5. Recognize hot line tools by names that are used for live line maintenance work,
6. Use hot line tools necessary to perform the side and lift methods,
7. Demonstrate an appreciation the advantages for using capacitors in a distribution circuit,
8. Demonstrate an appreciation of the importance of safe work practices contained in the OSHA Standards.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Methods used to test ground resistance.
2. Factors that affect ground resistance.
3. Different optical fiber types and their characteristics.
4. Types of fiber optic cables used for outside applications.
5. Common live-line operations
6. Safe work distances from the conductors or hot end of sticks to the lineman.
7. Basic procedures used when performing live line maintenance with hot sticks.
8. Basic methods used when performing a pole replacement.
9. Use of primary metering installations.
10. Advantages of constructing EHV lines.
11. Purpose of a maximeter.
12. Phase relationship of voltage and current in a purely resistive circuit.
13. Terms used in AC theory.
14. Inductive reactance.
15. Operation of a capacitor.
16. Codes and standards that govern the installation of fiber optic cable in outside applications.
17. Pulling techniques used for fiber optic underground conduit installations.
18. Know the procedures to be followed when installing and removing rubber protective devices.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 232UE

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: Line Estimator Responsibility II: Substation

Course Description:

This course covers the principles and concepts that govern field responsibilities related to substation line maintenance. The focus is on voltage regulation, circuit protection, high voltage fuses, air break switches, transformers, and related safety issues and procedures. Required: Student Petition.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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: Acceptance into Line Estimator Apprenticeship program. 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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Calculate the voltage between different phases on the various transformer connections,
2. Use the equipment in a substation and know its function,
3. Use precautions when working in a substation, to prevent injuries to yourself and your coworkers.
4. Discuss the operation of solar cell, use a distribution capacitor;
5. Draw connections for three phase open bank configurations,
6. Recognize the importance of laying out the work before beginning the excavation and the importance of protecting a circuit from fault currents,
7. Demonstrate the difference between the types of line faults and apply methods used to locate line faults,
8. Recognize the difference between a conventional transformer and a CSP transformer,
9. Identify and connect the internal leads of a transformer to supply proper voltage.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Types of high voltage fuses that are used on distribution systems.
2. Order of events that take place in a fuse when a fault occurs.
3. Difference between reclosures and sectionalizers.
4. Device functions that provide circuit protection to a substation and its distribution circuits.
5. Advantage of using oil circuit breakers for opening and closing circuits.
6. Impurities that cause oil to deteriorate.
7. Process to remove moisture or impurities.
8. Types of air switches and how they are operated.
9. Safety issues that should be followed when installing and operating air break switches.
10. Purpose of a watt hour meter.
11. Voltage regulation.
12. Control of voltages on utility electrical systems.
13. Step voltage regulator functions on a distribution system.
14. Components of a transformer.
15. Function of a transformer.
16. Use of transformer taps.
17. Function of an insulator tester.
18. Discharge cycle of a battery.
19. Different types of thermocouples.
20. Safety procedures for working on an energized capacitor bank.
21. Transformer use on specific primary systems.
22. Type of connection used with various voltages.

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Apprenticeship

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: APR - 233UE

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: Line Estimator Responsibility III: Field Responsibility

Course Description:

This course covers the principles and concepts that govern field responsibilities related to line maintenance. The focus is on hot stick procedures, installing substation control equipment, locating cable faults, power factor, harmonics and functions of control equipment.

Type of Course: Career Technical Apprenticeship

Can this course be repeated for credit in a degree?

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): Electrician Apprenticeship Technology 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?

Yes

Recommendations:

Requirements: Acceptance into Line Estimator Apprenticeship 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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Use the equipment in a substation and describe its function and use precautions when working in a substation, to prevent injuries to yourself and your coworkers;
2. draw connections for three phase open bank configurations,
3. recognize the importance of laying out the work before beginning the excavation,
4. recognize the importance of protecting a circuit from fault currents,
5. know the difference between the types of line faults,
6. apply methods used to locate line faults,
7. recognize the difference between a conventional transformer and a CSP transformer,
8. identify and connect the internal leads of a transformer to supply proper voltage,
9. demonstrate an appreciation of how important proper tool usage is to safety, productivity, and the tool's life span;
10. demonstrate an appreciation for the need to layout and plan work before beginning excavation.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Types of high voltage fuses that are used on distribution systems.
2. Order of events that take place in a fuse when a fault occurs.
3. Difference between reclosures and sectionalizers.
4. Devices functions that provide circuit protection to a substation and its distribution circuits.
5. Advantage of using oil circuit breakers for opening and closing circuits.
6. Impurities that causes oil to deteriorate.
7. Process to remove moisture or impurities.
8. Types of air switches and how they are operated.
9. Safety issues that should be followed when installing and operating air break switches.
10. Purpose of a watt hour meter.
11. Voltage regulation.
12. Control of voltages on utility electrical systems.
13. Step voltage regulator functions on a distribution system.
14. Components of a transformer.
15. Function of a transformer.
16. Use of transformer taps.
17. Function of an insulator tester.
18. Discharge cycle of a battery.
19. Different types of thermocouples.
20. Safety procedures for working on a energized capacitor bank.
21. Transformer use on specific primary systems.
22. Type of connection used with various voltages.

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

:

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: UTL - 100

Credits: 4

Contact hours

Lecture (# of hours): 40
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 40

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: Orientation to Utility Trades Technology

Course Description:

This course covers the responsibilities and expectations in the utility industries field. Students will learn career preparations and considerations in daily workplace compliance by examining the history, development and segmentation of the energy industry in the Northwest.

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): CC.Utility Trades Line

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: Accepted into VOLTA program

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 Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Describe a variety of job and career opportunities within the energy and utility industry,
2. define industry-specific terminology,
3. demonstrate knowledge of different energy and utility sources, generation and distribution;
4. identify specific areas of interest and ability within the utility industry,
5. debrief and disseminate observations and experiences.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Energy and utility types
 - a. Variety of trades that offer apprenticeship
2. Basic generation and distribution processes
3. Various utility industry positions and their roles and responsibilities
 - a. Union vs. non-union programs
 - b. Related supplemental training
 - c. Wages, progression, and benefits
 - d. What is "indentured?"
4. Employer expectations – soft and hard skills
 - a. Attendance and tardiness
 - b. Reliability and responsibility
 - c. Values and ethics
5. Communicate knowledge
6. Critical thinking, reasoning, and deduction

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%

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: **WAFE**

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: **UTL - 107**

Credits: **5**

Contact hours

Lecture (# of hours): **50**
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: **50**

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: **Career Strategies in Utilities**

Course Description:

This course covers the development and customization a professional portfolio to record the application of knowledge and skills which may relate to student's targeted career field. Portfolio consists of resume, reference letters, work samples, narrative, and certifications. Students will explore various career options and pathways and develop industry contacts. Practice interviewing skills and techniques. Required: Student Petition.

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?

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?

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Illustrate knowledge, skills and abilities using various forms of documentation to display personal abstract, service projects, certificates of achievement, certifications, degrees and community service projects;
2. describe various careers in the industry field of choice;
3. demonstrate computer literacy regarding computer components, terminology, use of word processing software, file management tasks, navigating the world wide web, performing Internet searches, and using e-mail;
4. articulate one's history, goals, values and possible career choices in a narrative form;
5. demonstrate poise and confidence in an interview.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Organizing documentation in a portfolio
2. Computer literacy knowledge and skill building
3. Personal documentation of work/life experiences
4. Create a narrative (tell your story)
5. Resume building, cover letter and references
6. Certifications and awards
7. Interviewing skills and strategies
8. Networking strategies and contacts

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: **WAFE**

Submitter

First Name: **Shelly**
Last Name: **Tracy**
Phone: **0945**
Email: **shellyt@clackamas.edu**

Course Prefix and Number: **UTL - 171**

Credits: **4**

Contact hours

Lecture (# of hours): **40**
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: **40**

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: **Utility Industry Workplace Health Awareness**

Course Description:

This course covers the principles and concepts that govern health related environmental conditions in a workplace setting in the utility industry. Create systems for change specific to health related workplace conditions. Required: Student Petition.

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?

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?

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 Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Identify what a MSD is, and how they occur;
2. demonstrate how to prevent MSD's by wearing personal protective equipment (PPE), proper warm-up and regular stretching;
3. explain the impact of diet and lifestyle on chronic diseases, and explain the influence of genetics in regard to chronic disease,
4. describe the impact to health, from workplace conditions such as: noise, heavy or repetitive lifting, intense physical performance, working in inclement weather, contact with chemicals and air quality and explain their short and long term impact to health;
5. explain the importance to avoid behaviors that adversely affect work place health such as overeating, drugs, cigarettes and the heavy use of alcohol;
6. identify OSHA requirements in the workplace and the obligation your employer has for your safety.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Health & safety related workplace conditions
 - a. General Duty Clause (OSHA)
 - b. Physical demands
 - c. Working in inclement weather
2. Consequences of health related workplace conditions
 - a. Hearing loss
 - b. Back injury (or other) resulting in time off
 - c. Illness due to physical demand, general health, working long hours and working in inclement weather
 - d. Electrical hazard awareness
3. Options to reduce health related workplace conditions
 - a. Hearing Protection
 - b. Ergonomics
 - c. Fitness for Life
 - d. Diet and Nutrition
 - e. Substance Abuse
4. Strategies for change in the workplace related to health and workplace conditions
5. First aid, AED, CPR and blood borne pathogens

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: UTL - 172

Credits: 5

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 50
Lab (# of hours):
Total course hours: 50

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: Utility Industry Safety Development

Course Description:

In this course students will discover principles and concepts that govern safe work practices in the utility industry. The focus is on safety awareness and applications of safe working habits. Required: Student Petition.

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?

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?

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 Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Demonstrate knowledge for safe work practices in work zone protection,
2. describe a model to distinguish the influence and impact of safe work practice errors,
3. assess areas of change in regards to safe work practices obtain a flagging card,
4. lead discussions to further understanding of how violations to safe work practices occur, and help develop opportunities to reduce errors and future accidents in the workplace. obtain CDL permit;
5. demonstrate necessary skills, knowledge and personal responsibility for working safety and maintaining a safe work environment.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Safe work practices and results
2. Strategies to improve safe work practices
 - a. Ladders
 - b. Fall Protection
 - c. Trenching & Shoring (dangers and precautions)
 - d. Confined Space
 - e. Air Monitors
 - f. Hazardous Spill Response
 - g. Material Safety Data Sheets (MSDS)
 - h. Line Locates
3. Personal responsibility for safe work practices
 - a. Personal Protective Equipment (PPE)
 - b. Work Zone Protection (Flagging)
4. Safe driving practices
 - a. CDL permit

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%

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: **WAFE**

Submitter

First Name: **Shelly**

Last Name: **Tracy**

Phone: **0945**

Email: **shellyt**

Course Prefix and Number: **UTL - 174**

Credits: **4**

Contact hours

Lecture (# of hours):

Lec/lab (# of hours): **80**

Lab (# of hours):

Total course hours: **80**

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: Groundworker Training

Course Description:

This course prepares the student for basic ground worker responsibilities. Students will participate in the training, field competency, and documentation to become qualified to assume duties of a bid Groundman. Required: Student Petition.

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?

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?

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 Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Explain the path of electricity from generation to a meter and list the characteristics of transmission, distribution and secondary circuits;
2. identify the general location on a power pole for the transmission, distribution, secondary, and communication circuits;
3. identify line related tools including underground (UG) tools;
4. identify correct transformers for installation;
5. explain how to inspect, care and store protective equipment i.e. Rubber hoods, rubber blankets, gloves, stove pipes and line hose;
6. identify anchors, extensions, guy wire and sleeve size for hardware assembly of poles;
7. assemble a set of cross arms, double cross arms and a set of double dead-end arms;
8. explain and perform rigging techniques,
9. perform the pre-flight checklist, bucket truck set-up, and bucket rescue from the ground;
10. perform setting a pole by hand and by using a digger derrick.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Groundman circuit recognition.
2. Line related tools and how to identify UG tools.
3. Select transformers.
4. How to inspect protective equipment.
5. Identify anchors, extensions, guy wire and sleeve size for assembly of pole.
6. Identify transmission material.
7. Rigging techniques.
8. Bucket truck set-up & rescue techniques.
9. Setting a pole by hand.
10. Hand line, rope & blocks.
11. Types of slings.
12. Crane operations.

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%

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: **WAFE**

Submitter

First Name: **Shelly**

Last Name: **Tracy**

Phone: **0945**

Email: **shellyt**

Course Prefix and Number: **UTL - 175**

Credits: 4

Contact hours

Lecture (# of hours):

Lec/lab (# of hours): 80

Lab (# of hours):

Total course hours: 80

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: Initial Pole Climbing

Course Description:

In this course students will focus on safety, proper equipment and various job functions. The students will practice and perform pole top rescue and test out doing different performances on the pole at various height increments. All climbing is done in full fall restraint at all times. Required: Student Petition.

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?

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?

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 Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Identify the physical layout and condition of the conductors, poles, guys and the equipment on the structure;
2. demonstrate pole top rescue,
3. demonstrate safe climbing techniques and climbing over obstacles on the pole,
4. demonstrate hand drilling, and hang single and double cross arms;
5. perform an insulator exchange.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Selection, use and maintenance of climbing gear and other Personal Protective Equipment (PPE) including appropriate clothing.
2. Ergonomics on the pole to avoid injury.
3. Importance of observing the physical layout and condition of the conductors, guys and the equipment on the structure before climbing.
4. Inspection of poles for unsafe conditions including; the rake of the pole, rotted places, nails, tacks, cracks, knots, foreign attachments and pole steps, and bumping the pole before climbing.
5. Pole top rescue steps and timeliness.
6. How to properly tie knots and their uses.
7. Climbing techniques and various pole top work tasks such as: hand drill holes, hang single and double cross arms, climb over obstacles and insulator exchange.
8. Raise and lower transformers

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

:

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: English

Submitter

First Name: Sue
Last Name: Mach
Phone: 3262
Email: suema

Course Prefix and Number: ENG - 296

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: **Adaptation: Literature into Film**

Course Description:

Adaptation: Literature into Film is an exploration into the study of the art of transforming literary texts into films. The course focuses on various literary genres such as the novel, the short story, the play, and the nonfiction event, and analyzes the process of transforming these stories from page to screen, thereby creating a new art form. **Note: This is a literature and not a writing class.**

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?

✓ 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. demonstrate an understanding of basic literary concepts such as plot, theme, characterization, dramatic irony, and symbolism; (AL2)
 2. exhibit a command of the language of film, such as point of view, camera angle, parallel editing, three-point lighting, mise en scene, montage, etc.; (AL1) (AL2)
 3. show a comprehension of the process of translating written words into visual language; (AL1) (AL2)
 4. interact analytically and imaginatively with the texts we read and the films we view; (AL1)
 5. demonstrate a recognition of how film can transform literature into an entirely new art form. (AL2)
 6. construct and defend interpretations of film adaptations based on class discussion and independent literary research (AL1) (AL2)
-

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:

- | | |
|------------------------------|------------------------------|
| ✓ General Examination | ✓ Projects |
| ✓ Presentations | ✓ Writing Assignments |
| ✓ Criteria | ✓ Portfolios |
| ✓ Rubrics | |

:

Major Topic Outline:

1. Literary genres.
 - a. The play.
 - b. The novel.
 - c. The short story.
 - d. The novella.
 - e. The nonfiction story.
2. Literary analysis.
3. Film history.
4. Film analysis.
5. Adaptation analysis.
 - a. The successful adaptation.
 - b. The failed adaptation.

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)

- | | |
|---|--|
| <input checked="" type="checkbox"/> EOU (Eastern Oregon University) | <input checked="" type="checkbox"/> PSU (Portland State University) |
| <input checked="" type="checkbox"/> OSU (Oregon State University) | <input checked="" type="checkbox"/> SOU (Southern Oregon University) |
| <input checked="" type="checkbox"/> OSU-Cascade | <input checked="" type="checkbox"/> UO (University of Oregon) |
| | <input checked="" type="checkbox"/> WOU (Western Oregon University) |

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

ENG 305 Topics in Film (PSU)

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.

PSU catalog and Major Transfer Map

First term to be offered:

Next available term after approval

:

1. Course Hours, Instructional Method, Credits Change

Course	Approved Credits	Approved Hours	Proposed Credits	Proposed Hours
EMT-101	5	44 LECT, 33 LAB	6	44 LECT, 22 LE/LA,
EMT-102	5	44 LECT, 33 LAB	6	44 LECT, 22 LE/LA,
MBC-125	2	40 LE/LA	2	11 LECT, 22 LE/LA
MBC-126	4	22 LECT, 40 LE/LA	4	44 LECT
MBC-225	5	33 LECT, 40 LE/LA	5	55 LECT

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Health Sciences Department

Submitter

First Name: Tana
Last Name: Sawzak
Phone: 6025
Email: tanas@clackamas.edu

Course Prefix and Number: EMT - 101

Credits: 6

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours): 22
Lab (# of hours): 33
Total course hours: 99

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: Emergency Medical Technician Part I

Course Description:

This course develops skills and training at the basic life support (BLS) level. Includes signs and symptoms of illness and injury, initial treatment, stabilization, and transportation. Focus on: airway management, and patient assessment. Required: Student Petition.

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): Emergency Medical Technology certificate

Are there prerequisites to this course?

Yes

Pre-reqs: WRD-098 or placement in WR-121, and MTH-060 with a C or better or placement in MTH-065

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: EMT-105 and MA-110

Requirements: AHA BLS Provider CPR certification. Student Petition.

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**

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. Summarize the role and responsibility of the EMS provider, including applicable state regulatory statutes and administrative rules;
2. summarize the definition of a bloodborne pathogen and how to reduce the risk of transmission in a healthcare setting,
2. summarize applicable medical legal considerations and the importance of proper communication and documentation,
3. demonstrate proper patient lifting and moving techniques,
4. demonstrate proper airway management in both a conscious and unconscious patient utilizing positioning, suction, airway adjuncts, and supra-glottic advanced airway devices;
5. demonstrate proper supplemental and positive pressure oxygen administration in both a conscious and unconscious patient utilizing a face mask, bag-valve-mask, nasal canula and non-rebreather mask;
6. demonstrate how to provide a complete assessment on a patient experiencing an acute medical illness or injury in an out of hospital situation,
7. summarize appropriate medical care to stabilize a patient experiencing an acute respiratory, cardiac, or altered mental status condition;
8. list the medications that fall within the EMT's national and state scope of practice and summarize their indications, contraindications and administration procedure;
9. demonstrate how to manage a patient experiencing hypoperfusion (shock),
10. demonstrate management of a cardiac arrest patient including providing Cardio-Pulmonary Resuscitation (CPR) and use of an Automated External Defibrillator (AED).

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. EMS Provider role and responsibilities
2. EMS Provider safety
3. EMS communication and documentation
4. Medical-Legal considerations in responding to emergencies
5. Airway management
6. Patient assessment and care for the medical patient
7. Pharmacology for the EMT
8. Cardiac arrest management

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 2020

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: Health Sciences Department

Submitter

First Name: **Tana**
Last Name: Sawzak
Phone: **6025**
Email: **tanas@clackamas.edu**

Course Prefix and Number: EMT - 102

Credits: 6

Contact hours

Lecture (# of hours): 44
Lec/lab (# of hours): **22**
Lab (# of hours): 33
Total course hours: **99**

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: **Emergency Medical Technician Part II**

Course Description:

Continuation of EMT-101. This course focuses on: medical and trauma emergencies, special patient populations and EMS operations. Includes 20 hours of observational time in an emergency department and with an EMS unit.

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): **Emergency Medical Technology certificate**

Are there prerequisites to this course?

Yes

Pre-reqs: EMT-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?

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**

✓ **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 how to provide a complete assessment on a patient experiencing an acute medical illness or injury in an out of hospital situation,
2. demonstrate how to stop severe bleeding and bandage soft tissue wounds,
3. demonstrate how to treat superficial, partial thickness, and full thickness burns;
4. demonstrate how to stabilize orthopedic fractures and dislocations,
5. summarize how to prioritize and provide appropriate medical care to stabilize a patient experiencing an acute trauma to the head, chest, abdomen and extremities,
6. demonstrate how to manage a patient experiencing hypoperfusion (shock),
7. demonstrate how to care for a patient experiencing an obstetrical emergency,
8. demonstrate how provide EMS assistance for emergency childbirth,
9. summarize how to provide an assessment and care for special patient populations including pediatrics, geriatrics, and patients with special needs;
10. summarize how to maintain and operate an emergency vehicle safety,
11. summarize the EMT's role and limitations at a Hazardous materials incident,
12. summarize the Incident Command Structure and the role of the Operations Division at a multiple patient incident.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Patient assessment and emergency care for acute anaphylactic, toxicologic, environmental, abdominal and gynecological conditions.
2. Patient assessment and care for the trauma patient including management of bleeding, burns, fractures/dislocations and specific injuries to the head, chest and abdomen.
3. Childbirth, pediatrics, geriatrics and patients with special needs.
4. Gaining access, extrication, spinal immobilization and packaging.
5. Patient transport options and safe ambulance operations
6. Multiple causality incident and triage.

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 2021

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: AHTH Allied Health

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 125

Credits: 2

Contact hours

Lecture (# of hours): 11
Lec/lab (# of hours): 22
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: ICD-10 Coding I

Course Description:

This course will discuss fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc., and how to apply them. The student will be introduced to the basics of diagnostic medical coding related to the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10- CM) Code Set. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120 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?

Yes

Co-reqs: MBC-126

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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 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 the purpose of the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10-CM) code book;
2. recognize and apply the official ICD-10-CM coding guidelines;
3. recognize Hierarchical Condition Categories (HCCs) and the importance of complete and accurate coding;
4. identify and locate the information in appendices of the ICD-10-CM code book;
5. code patient services using the ICD-10-CM code book.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Integumentary System
2. Musculoskeletal System
3. Respiratory System
4. Cardiovascular System
5. Hemic & Lymphatic Systems, Mediastinum, Diaphragm
6. Digestive System

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 2020

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: AHTH Allied Health

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 126

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: CPT/HCPCS Coding I

Course Description:

This course reviews fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. The student will explore the basics of procedural medical coding related to the Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120 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?

Yes

Co-reqs: MBC-125

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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 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 the purpose of the Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Level II code books;
2. interpret and apply the official CPT coding guidelines;
3. apply coding conventions when assigning procedure codes;
4. identify and locate the information in appendices of the CPT code book;
5. code a variety of patient services using CPT;
6. apply correct coding of operative reports.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to Current Procedural Terminology (CPT®) and Healthcare Common Procedure Coding System (HCPCS) Code Sets
2. CPT and HCPCS Modifiers
3. Evaluation and Management (E & M) Services
4. Anesthesia
5. Surgery Guidelines and General Surgery
6. Integumentary System
7. Musculoskeletal System
8. Respiratory System
9. Cardiovascular System
10. Hemic & Lymphatic Systems, Mediastinum, Diaphragm
11. Digestive System

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 2020

Clackamas Community College
Online Course/Outline Submission System

Show changes since last approval in red

Section #1 General Course Information

Department: AHTH Allied Health

Submitter

First Name: Cindy
Last Name: Garner
Phone: (503) 594-0672
Email: cindy.garner@clackamas.edu

Course Prefix and Number: MBC - 225

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: ICD-10, CPT® and HCPCS Coding II

Course Description:

This course will demonstrate fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. Students will explore the basics of diagnostic and procedural medical coding related to the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10 CM), Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets. Required: Student Petition.

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): Medical Billing and Coding Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: MBC-120, MBC-125, and MBC-126 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?

Yes

Co-reqs: MBC-140

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

Yes

Recommendations:

Requirements: Medical Billing and Coding students only. Student Petition.

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 Only

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. identify the purpose of the International Classification of Diseases, Revision 10-Clinical Modification (ICD-10-CM), Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets;
2. recognize and apply official coding guidelines;
3. apply coding conventions when assigning all codes;
4. classify Hierarchical Condition Categories (HCCs) and the importance of complete and accurate coding;
5. explain the determination of the levels of E/M services;
6. identify the information in appendices of the ICD-10, CPT and HCPCS code books;
7. code a variety of patient services using the ICD-10, CPT and HCPCS code books.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Urinary and Male Genital Systems
2. Female Reproductive System and Maternity Care & Delivery
3. Endocrine System and Nervous System
4. Special Senses (Ocular and Auditory)
5. Radiology
6. Pathology & Laboratory
7. Medicine

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: Spring 2020

Course Number	Title	Implementation
EFA-101S	Introduction To STEM	2020/SP
EMP-202	Threat and Hazard Assessment for Emergency	2020/SP
EMP-204	Foundations of Emergency Planning	2020/SP
EMP-206	Hazard Mitigation	2020/SP
ENG-271	World Literature: Ancient through Classical	2020/SP
ENG-272	World Literature: Early Middle Ages through	2020/SP
ENG-273	World Literature: the 19th through 21st	2020/SP
GIS-270	GIS Capstone	2020/SP
UTL-120	Schematic Electrical Print Reading	2020/SP
UTL-173	Electricity Fundamentals in the Utility Industry	2020/SP

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: STEM

Submitter

First Name: Eric
Last Name: Lee
Phone: 5035946163
Email: elee@clackamas.edu

Course Prefix and Number: EFA - 101S

Credits: 2

Contact hours

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

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 STEM

Course Description:

This course will feature activities, demonstrations, and real world experiences in STEM fields, including environmental science, biology, chemistry, geology, physics, engineering, computer science, and mathematics. Students will gain an understanding of academic and career options and get a taste of what further study will look like in each STEM discipline.

Type of Course: Lower Division Collegiate

Reason for the new course:

With the implementation of the guided pathways model, we hope to create a course that helps students who choose the STEM pathway but are undecided on their major find a more narrow pathway.

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?

✓ **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. explain the different academic and career options within the STEM disciplines;
2. distinguish the approaches that different STEM disciplines use to investigate problems and construct knowledge;
3. reflect on their personal interests to clarify their academic goals and create a plan for future study.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Overviews of careers and opportunities in each STEM discipline.
2. Modules and/or demonstrations in environmental science, biology, chemistry, geology, physics, engineering, computer science, and mathematics.
3. Reflection on personal academic goals.

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)

:

First term to be offered:

Specify term: Fall 2020

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Joanthan
Last Name: Baker
Phone: 5039157939
Email: jonathan.baker

Course Prefix and Number: EMP - 202

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: Threat and Hazard Assessment for Emergency Management Professionals

Course Description:

This course demonstrates the importance of risk reduction programs and the history of Threats and Hazard Identification and Risk Assessment (THIRA). Emergency management professionals must assess weaknesses and establish programs to reduce risks during preparedness for the whole community. This course will give students a basic understanding of risk management and risk prevention in emergency management.

Type of Course: Career Technical Preparatory

Reason for the new course:

Revision of the emergency management program.

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): AAS Emergency Management Professional

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 Only

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. Explain the hazard identification process,
2. Accurately profile hazard events,
3. Evaluate a risk reduction program and its effectiveness,
4. Estimate potential human and economic losses based on the exposure and vulnerability of people, buildings, and infrastructure.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Threat and Hazard Identification and Risk Assessment (THIRA) Overview.
2. Threat and hazard identification.
3. Establishing capability targets.
4. Application of THIRA Results and the THIRA Toolkit.
5. Role of THIRA in national preparedness.

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 | No |

Percent of course: 10%

First term to be offered:

Specify term: Fall 2020

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jonathan
Last Name: Baker
Phone: 5039157939
Email: jonathan.baker

Course Prefix and Number: EMP - 204

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: Foundations of Emergency Planning

Course Description:

In order for a community to be truly prepared to respond to any type of natural and/or man-made disaster, it must develop effective emergency planning. This course will provide an introduction to the multiple aspects of disaster planning. It explores the patterns of human disaster behavior, social psychology and communication as well as the basics of generic planning actions, planning concepts, implementation, and action.

Type of Course: Career Technical Preparatory

Reason for the new course:

Revision of the emergency management program.

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): AAS Emergency Management Professional

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 Only

Audit: No

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. Identify and define the purpose, function, importance and need for emergency planning;
2. Design and participate in the creation of an emergency operations plan (EOP).
3. Design planning targets for evacuation, including vulnerable populations and facilities;
4. Identify symptoms of mental and physical stress related to disasters,
5. Identify the components of an emergency plan, principles that guide the planning process, and resource that can be used in the planning process.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Emergency planning process and successful emergency planning.
2. Human Behavior in Disasters.
3. Classes and selection of protective action recommendations.
4. Content and format of emergency planning.
5. Continuity of operations plans.
6. Population warning.
7. Planning for hazard adjustment.
8. Structures for emergency management response.
9. Selected Federal emergency planning mandates.

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 | No |

Percent of course: 10%

First term to be offered:

Specify term: Fall 2020

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jonathan
Last Name: Baker
Phone: 5039157939
Email: jonathan.baker

Course Prefix and Number: EMP - 206

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: Hazard Mitigation

Course Description:

This course will introduce the major principles involved in preparing for and mitigating the impact of hazards in the context of emergency and disaster management. Topics include key features and characteristics of various hazards, both natural and man-made, the risk assessment process that is used to determine community vulnerability, and in-depth discussion of hazard mitigation planning.

Type of Course: Career Technical Preparatory

Reason for the new course:

Revision of the emergency management program.

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): AAS Emergency Management Professional

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 Only

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. Describe the difference between hazards and disasters,
2. Explain meteorological & hydrological hazards,
3. Identify the role of Federal Emergency Management Agency (FEMA) in hazard mitigation,
4. Describe the National Mitigation Framework,
5. Identify the components of the mitigation plan.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Roles and responsibilities of the individual, community, and government in hazard mitigation.
2. Threats and Hazards Identification.
3. Risk and disaster resilience assessment.
4. Hazard mitigation planning.
5. Public information and warning.
6. Long-term vulnerability reduction.
7. Operational coordination.

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 | No |

Percent of course: 10%

First term to be offered:

Clackamas Community College
Online Course/Outline Submission System

Consent Agenda Requests

Section #1 General Course Information

Department: English

Submitter

First Name: Jeff
Last Name: McAlpine
Phone: 3263
Email: jeffmc

Course Prefix and Number: ENG - 271

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: World Literature: Ancient through Classical Times

Course Description:

Literature of the ancient through classical worlds: epic, lyric, and dramatic literature. Through class discussion, research, and written work, students practice close reading and literary interpretation, explore the readings' contemporary relevance, relate the readings to their own lives and the world, and engage in academic conversations about the literature.

Type of Course: Lower Division Collegiate

Reason for the new course:

Students seeking the A.S. in English Degree or transferring to a university will benefit from a 200-level course in which they practice literary research and applying critical theory.

Additionally, the Major Transfer Map requires a 200-level literature course in addition to Shakespeare, British Lit or American Lit. Almost every other 200-level literature course surveys texts from "the West" which is problematic for obvious reasons.

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?

Yes

Name of degree(s) and/or certificate(s): A.S. 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?

✓ **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. examine literary works in the context of the historical events and values that influenced them, and analyze the relationship between the two; (AL2)
2. investigate the development of literary tradition from one culture and time period to another; (AL 2) (CL 1)
3. apply close reading to analyze various works of literature within a tradition; (AL 1) (AL 2)
4. construct and defend interpretations of world literature based on class discussion and independent literary research; (AL 2)
5. apply to world literature various critical approaches, such as Jungian, feminist, political, sociological, and post-colonial readings, and examine the literature through the lens of power, difference, and discrimination; (AL 2, CL 1)
6. apply ideas and lessons from world literature to their own lives and times. (AL 1)

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

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

Outcomes Assessment Strategies:✓ **General Examination**✓ **Presentations**✓ **Thesis/Research Project**✓ **Criteria**✓ **Rubrics**✓ **Writing Assignments**✓ **Portfolios**✓ **Performances/Simulation**

:

Major Topic Outline:

1. Read representative Babylonian, Egyptian, Hebrew, Chinese, Indian, Greek, and Roman literature from ancient times until approximately 0 CE.
2. Engage in close reading of the literature.
3. Examine these works in their historical context, using both historical events and values as a basis for examination.
4. Note similarities and differences among and within cultures.
5. Introduce critical theories and issues of power, difference, and discrimination.
6. Introduce methods and processes for synthesizing ideas into formal presentations.

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)
- OSU (Oregon State University)
- SOU (Southern Oregon University)
- OSU-Cascade
- UO (University of Oregon)
- WOU (Western Oregon University)

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.

Major Transfer Map

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Consent Agenda Requests

Section #1 General Course Information

Department: English

Submitter

First Name: Jeff
Last Name: McAlpine
Phone: 3263
Email: jeffmc

Course Prefix and Number: ENG - 272

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: World Literature: Early Middle Ages through the 18th Century

Course Description:

Literature of the Early Middle Ages through the 18th Century, in a variety of genres. Through class discussion, research, and written work, students practice close reading and literary interpretation, explore the readings' contemporary relevance, relate the readings to their own lives and the world, and engage in academic conversations about the literature.

Type of Course: Lower Division Collegiate

Reason for the new course:

Students seeking the A.S. in English Degree or transferring to a university will benefit from a 200-level course in which they practice literary research and applying critical theory. The Major Transfer Map requires a 200-level literature course in addition to Shakespeare, British Lit or American Lit. Almost every other 200-level literature course surveys texts from "the West" which is problematic for obvious reasons.

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:

Arts and Letters

Cultural Literacy

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

Yes

Name of degree(s) and/or certificate(s): A.S. 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. examine literary works in the context of the historical events and values that influenced them, and analyze the relationship between the two; (AL2)
2. investigate the development of literary tradition from one culture and time period to another; (AL 2) (CL 1)
3. apply close reading to analyze various works of literature within a tradition; (AL 1) (AL 2)
4. construct and defend interpretations of world literature based on class discussion and independent literary research; (AL 2)
5. apply to world literature various critical approaches, such as Jungian, feminist, political, sociological, and post-colonial readings, and examine the literature through the lens of power, difference, and discrimination; (AL 2, CL 1)
6. apply ideas and lessons from world literature to their own lives and times. (AL 1)

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

- 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 |
| ✓ Presentations | ✓ Writing Assignments |
| ✓ Thesis/Research Project | |
| ✓ Criteria | ✓ Portfolios |
| ✓ Rubrics | |

✓ **Performances/Simulation**

:

Major Topic Outline:

1. Read representative European, Middle Eastern, Chinese, Japanese, Indian, Mayan, and Aztec literature from approximately 0 CE through the late 18th century.
2. Engage in close reading of the literature.
3. Examine these works in their historical context, using both historical events and values as a basis for examination.
4. Note similarities and differences among and within cultures.
5. Introduce critical theories and issues of power, difference, and discrimination.
6. Introduce methods and processes for synthesizing ideas into formal presentations.

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)
- OSU (Oregon State University)
- SOU (Southern Oregon University)
- OSU-Cascade
- UO (University of Oregon)
- WOU (Western Oregon University)

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.

Major Transfer Map

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Consent Agenda Requests

Section #1 General Course Information

Department: English

Submitter

First Name: Jeff
Last Name: McAlpine
Phone: 3263
Email: jeffmc

Course Prefix and Number: ENG - 273

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: World Literature: the 19th through 21st Centuries

Course Description:

Literature of the 19th through 21st centuries, in a variety of genres. Through class discussion, research, and written work, students practice close reading and literary interpretation, explore the readings' contemporary relevance, relate the readings to their own lives and the world, and engage in academic conversations about the literature.

Type of Course: Lower Division Collegiate

Reason for the new course:

Students seeking the A.S. in English Degree or transferring to a university will benefit from a 200-level course in which they practice literary research and applying critical theory.

The Major Transfer Map requires a 200-level literature course in addition to Shakespeare, British Lit or American Lit. Almost every other 200-level literature course surveys texts from "the West" which is problematic for obvious reasons.

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?

Yes

Name of degree(s) and/or certificate(s): A.S. 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?

✓ **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. examine literary works in the context of the historical events and values that influenced them, and analyze the relationship between the two; (AL2)
2. investigate the development of literary tradition from one culture and time period to another; (AL 2) (CL 1)
3. apply close reading to analyze various works of literature within a tradition; (AL 1) (AL 2)
4. construct and defend interpretations of world literature based on class discussion and independent literary research; (AL 2)
5. apply to world literature various critical approaches, such as Jungian, feminist, political, sociological, and post-colonial readings, and examine the literature through the lens of power, difference, and discrimination; (AL 2, CL 1)
6. apply ideas and lessons from world literature to their own lives and times. (AL 1)

**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

- 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 |
| ✓ Presentations | ✓ Writing Assignments |
| ✓ Thesis/Research Project | |
| ✓ Criteria | ✓ Portfolios |
| ✓ Rubrics | |

✓ **Performances/Simulation**

:

Major Topic Outline:

1. Read representative European, Middle Eastern, African, and Asian literature and literature of all the Americas, ranging from the late 18th century to the present.
2. Engage in close reading of the literature.
3. Examine these works in their historical context, using both historical events and values as a basis for examination.
4. Note similarities and differences among and within cultures.
5. Introduce critical theories and issues of power, difference, and discrimination.
6. Introduce methods and processes for synthesizing ideas into formal presentations.

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)
- OSU (Oregon State University)
- SOU (Southern Oregon University)
- OSU-Cascade
- UO (University of Oregon)
- WOU (Western Oregon University)

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.

Major Transfer Map

First term to be offered:

Next available term after approval

:

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Eric
Last Name: Roberts
Phone: 6495
Email: eric.roberts

Course Prefix and Number: GIS - 270

Credits: 3

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 66
Lab (# of hours):
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: GIS Capstone

Course Description:

The Geographic Information Systems (GIS) Capstone course is the culmination of the Geographic Information Systems Technology (GIST) certificate program. Working with the instructor, students begin the course by researching and proposing a project. After developing a project plan and working through the analysis necessary, students will present their findings in an oral and written presentation. Additionally, scenario-based assignments will reinforce the project-based analysis process. Throughout the course, portfolio building strategies are explored with an emphasis on developing a professional portfolio demonstrating their work as preparation for entering the GIS profession.

Type of Course: Career Technical Preparatory

Reason for the new course:

Need additional options besides CWE to ensure students meet the program learning outcomes.

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): CC.GISTECHNOLOGY

Are there prerequisites to this course?

Yes

Pre-reqs: GIS-202

**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?

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. Apply Geographic Information Systems Technology (GIST) principles to perform spatial analysis and produce quality visualizations of results,
2. employ critical thinking in order to apply appropriate methodologies that answer spatial questions,
3. develop a project management plan to include project outline, data compilation and management, analysis methodology documentation, and final deliverables;
4. present project results using effective cartographic principles and design techniques in a professional work environment,
5. create and maintain a professional portfolio that demonstrates relevant analytical and cartographic abilities.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Spatial thinking.
2. GIS Analysis.
3. Project management.
4. Project documentation and metadata.
5. Presenting results.
6. Building a 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 | Yes |
| 4. Clean up natural environment | Yes |
| 5. Supports green services | Yes |

Percent of course: 20%

First term to be offered:

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: UTL - 120

Credits: 3

Contact hours

Lecture (# of hours): 30
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 30

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: Schematic Electrical Print Reading

Course Description:

This course covers the development of the student's understanding of using electrical prints for maintenance, troubleshooting, relaying, metering, equipment, and, most importantly, safety.

Type of Course: Career Technical Preparatory

Reason for the new course:

New program for VOLTA students

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): CC.Utility Training Line

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: Accepted in VOLTA program

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. Identify different types of electrical prints,
2. identify symbols and device numbers,
3. draw basic 1 line, ladder, and panel wiring prints;
4. explain how to use electrical prints for troubleshooting and testing,
5. explain how to use electrical prints for safe switching procedures.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electrical print terminology
2. Symbols, devices numbers, and abbreviations
3. Control schematics – AC/DC, basic theory, applications, voltages, and troubleshooting tips.
4. Power circuit breaker
5. Basic relay schematics
6. Logic diagrams
7. Safety in troubleshooting

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:

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Shelly
Last Name: Tracy
Phone: 0945
Email: shellyt

Course Prefix and Number: UTL - 173

Credits: 4

Contact hours

Lecture (# of hours): 40
Lec/lab (# of hours):
Lab (# of hours):
Total course hours: 40

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: Electricity Fundamentals in the Utility Industry

Course Description:

Explore basic electrical concepts such as voltage, amperage, resistance, Ohm's law, wattage, circuit theory, transformers, motors and generators. Examine basic principles of alternating and direct current as it affects electrical flow. Focus on generation sources of electricity, transmission, and final delivery to the consumer. Required: Student Petition.

Type of Course: Career Technical Preparatory

Reason for the new course:

To meet client need

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?

Yes

Recommendations:

Requirements: Student Petition

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 Only

Audit: No

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. demonstrate knowledge of different electrical energy sources, generation, distribution, and management methods and their impact on the Northwest's environment, economics, and community;
2. explain atomic structure and basic values such as voltage, current, resistance, and power;
3. determine electrical values for combination circuits in direct current (DC) and alternating current (AC) containing resistance, inductance, and capacitance;
4. summarize the principles of magnetism,
5. calculate voltage drop based on conductor length, type of material, and size,
6. utilize electrical measuring instruments.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Atomic nature of electricity
2. Direct current
3. Ohm's law
4. Measurement of electricity
5. Series circuits
6. Parallel circuits
7. Combination circuits
8. DC circuit theorems
9. Alternating current
10. Transformers, motors and generators
11. Electrical safety.

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
:
