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: APR - 104LM

 # 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: Reading Schematics and Symbols

Course Description:

A basic course of study that will develop the student's understanding of reading schematics and symbols through lectures and hands-on examples.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

New LME apprenticeship program

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): Electrican Apprenticeship

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?

Yes

Have you talked with the appropriate chair?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

Enrollment increase

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: IMT-104 Title: Reading Schmatics and Symbols

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 definition and characteristics of schematics;
2. demonstrate various types of lines and symbols on schematics, including electrical, hydraulic and pneumatic;
3. diagram electrical schematics and wiring diagrams;
4. summarize the purpose of the main parts of a hydraulic and pneumatic system;
5. diagram hydraulic and pneumatic systems using components and diagrams;
6. demonstrate troubleshooting techniques for electrical, hydraulic and pneumatic systems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Identifying schematics.
2. Identifying symbols used in electrical, pneumatic and hydraulic systems.
3. Wiring and troubleshooting electric circuits.
4. Drawing and recognizing electrical, hydraulic and pneumatic circuits.
5. Troubleshooting skills in repairing and maintaining electrical, hydraulic and pneumatic systems.

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

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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: APR - 107LM

 # 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: Industrial Safety & First Aid

Course Description:

Industrial Safety course is designed to provide the student with a basic understanding of safety hazards and first aid in the workplace. Includes eye safety, grinding wheel hazards, electrical/chemical hazards, slips, falls and back injuries. Instruction in first aid, AED and CPR and OSHA 10.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

New LME apprenticeship program

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

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?

Yes

Have you talked with the appropriate chair?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

Enrollment increase

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: MFG-107 Title: Industrial Safety & First Aid

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 basic First Aid fundamentals, including: controlling bleeding, treatment for shock, pressure dressings, care and management of impaled objects as well as head and eye injuries;
2. discuss how to access the needs of a person who is unresponsive;
3. demonstrate the correct application of CPR;
4. demonstrate rescue breathing and clearing airway obstruction;
5. describe what BBP are, and name behaviors that can put them at risk to become infected;
6. demonstrate the proper use of an AED.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. back injury prevention,
2. bloodborne pathogens,
3. confined space entry,
4. elements of ergonomics,
5. emergency preparedness,
6. eye protection,
7. fire extinguishers,
8. hazard communication,
9. hearing conservation,
10. respiratory protection,
11. flammable and combustible storage,
12. hand and power tools,
13. hazardous energy control,
14. safety committees,

15. introduction to occupational safety and health,
16. safety legislation,
17. business laws,
18. introduction to industrial hygiene,
19. fire prevention and protection,
20. managing the safety function,
21. psychology and safety: The human element in loss prevention,
22. managing the safety function,
23. psychology and safety: The human element in loss prevention,
24. workplace violence,
25. hazardous materials,
26. ladder and scaffold safety,
27. electrical safety,
28. grinding wheel safety,
29. welding safety,
30. terrorism preparedness,
31. required written programs.

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: APR - 130LM

 # 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: Basic Electricy I

Course Description:

Explores fundamentals of AC and DC electricity. Includes: atomic structure, direct current, alternating current, Ohm's law, series, parallel, and combination circuits, DC circuit theorems, production of DC voltages, magnetic principles, transformers, motors and generators.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

New Limited Maintenance Electrician (LME) apprenticeship program

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

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?

Yes

Have you talked with the appropriate chair?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

Approved by chair. These students will help fill seats in MFG classes.

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?

- ☐ Summer
- ☑ **Fall**
- ☐ Winter
- ☐ Spring
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: MFG-130 Title: Basic Electricity I

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 units of electrical quantities;
2. diagram direct current and alternating current electricity;
3. analyze DC parallel and series circuits;
4. demonstrate the use a DMM to measure electrical quantities;
5. summarize electro-magnetic nature electricity;
6. work safely around electricity.

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. The digital multi-meter.
6. Series circuits.
7. Parallel circuits.
8. Combination circuits.
9. DC circuit theorems.
10. Alternating current.
11. Transformers, motors and generators.
12. 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:

Specify term: 2018/FA

Clackamas Community College

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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: APR - 131LM

 # 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: Basic Electricity II

Course Description:

Covers application of several theories learned in previous term. Additional topics will include: motors, controls, alignment, pulleys and gears, troubleshooting theory, power distribution and lighting, electrical wiring and schematics.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

New Limited Maintenance Electrician (LME) program in development

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

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: Completion of APR-130LM

Requirements:

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

Yes

Have you talked with the appropriate chair?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

Enrollment increase

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?

- ☐ Summer
- ☐ Fall
- ☑ **Winter**
- ☐ Spring
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: MFG-131 Title: Basic Electricity II

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 application of industrial motors and motor controls;
2. diagram elementary electrical schematics;
3. illustrate the electro-mechanical components of power transmission;
4. apply troubleshooting theory to solve ordinary industrial problems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electric motors.
2. Motor controls.
3. Power transmission.
4. Schematics.
5. Trouble shooting.
6. Lighting

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: 2018/WI

Clackamas Community College

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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: APR - 132LM

 # 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: Basic Electricity III

Course Description:

This course offers continued study in the control of industrial electric motors. Concepts in the application of relays, motor starters, switches and overload protection are explored from both a practical and theoretical viewpoint. Wiring techniques and electrical devices for residential, commercial and industrial facilities are presented along with hands-on activities. Additional topics include: electrical conductors, installation materials, and the scope of work performed by licensed electricians.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

New Limited Maintenance Electrician (LME) program in development

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

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: Completion of MFG-130 and MFG-131

Requirements:

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

Yes

Have you talked with the appropriate chair?
Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

increased enrollment

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☑ **Spring**
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: MFG-132 Title: Basic Electricity III

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. Build common relay circuits for industrial controls including latching and motor starter circuits;
2. Interpret relay ladder logic diagrams to determine circuit function;
3. Select and apply conductors for proper current and environmental conditions;
4. Analyze circuits to predict and prevent overloading and overheating;
5. Perform proper wiring and termination for lighting and utility electrical supply circuits;
6. Describe the scope of work performed by licensed electricians under Oregon law.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Electromagnetic relays
2. Conductor selection
3. Overload protection
4. Relay ladder logic
5. Motor starters
6. Receptacles and switches
7. Circuit analysis
8. Oregon electrical regulation and licensure

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: 2019/SP

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: APR - 223LM

 # 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: Instrumentation & Controls

Course Description:

Course instruction covers areas of process measurement, control and data acquisition. Common sensors and actuators and their applications are also presented.

Type of Course: Career Technical Apprenticeship

Reason for the new course:

NEW LME Apprenticeship program

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

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: APR-130LM

Requirements:

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

Yes

Have you talked with the appropriate chair?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

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?

Yes

Have you consulted with the Dept Chair(s) of other program(s) regarding potential impact such as overlap, duplication, enrollment, impact, etc.?

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)*

What was the result of the conversation with those department(s)?

Enrollment increase

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?

- ☐ Summer
- ☐ Fall
- ☑ **Winter**
- ☐ Spring
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

Yes

Course Number: IMT-223 Title: Instrumentation & Controls

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 ranges of common sensors and actuators that are used for environmental measurement and process control;
2. select and implement sensors for a variety of measurement applications including, temperature, position, angular velocity, strain, and pressure;
3. implement actuators such as motors, valves and heaters to perform process control tasks;
4. interpret process measurement and control for an industrial or environmental application.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Process control and measurement overview
2. Piping and instrumentation diagrams
3. Temperature sensors: infrared and thermometers
4. Pressure measurement and instruments
5. Position, proximity, encoding, and measurement
6. Signal transmission, current loops, and interference
7. Controllers
8. Valves
9. Actuators and positioners

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: Art/ DMC

Submitter

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

Course Prefix and Number: ART - 119

 # Credits: 4

Contact hours

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

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

Course Title: Time-Based Art

Course Description:

This course introduces students to working with time as a medium, concept, and process. Introduces the strategies, practices, and history of the time-based art including animation, video, sound, performance, body art, and storytelling. Students develop abilities in producing, documenting, and presenting these works.

Type of Course: Lower Division Collegiate

Reason for the new course:

This course aligns with lower level (100-200 level) art requirements at 4-year institutions.

PSU offers ART-103 Core:Time. U of O embeds "Time" in their version of ART-115.

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)?

Yes

Check which General Education requirement:

- ☐ Writing
- ☐ Oral Communication
- ☑ ✓ **Arts and Letters**
- ☐ Science & Computer Science
- ☐ Mathematics
- ☐ Social Science
- ☐ Cultural Literacy

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

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☑ **Winter**
- ☐ Spring
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify the concepts and language of time-based art;
2. utilize the various processes associated with time-based art;
3. use a variety of methods to create time-based art;
4. identify the significance of time-based art in the history and development of contemporary art practices;
5. develop, document, and present art works that explore personal expression, iconography, and purpose;
6. practice self-evaluation and group critique.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

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

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

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
2. Locate, evaluate, and ethically utilize information to communicate effectively.
3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.
2. Respond to the needs of diverse audiences and contexts.
3. Build and manage relationships.

MA: Mathematics Outcomes:

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

AL: Arts and Letters Outcomes

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

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

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.
2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.
3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

☐ General Examination	☑ **✓ Projects**
☐ Oral Examination	☐ Writing Assignments
☐ Presentations	☐ Industry Standards
☐ Thesis/Research Project	☐ Multiple Choice Test
☐ Criteria	☐ Portfolios
☐ Rubrics	☐ Standardized Testing
☐ Journal Writing	☐ Checklist
☐ Performances/Simulation	☐ Pre-Post Assessment
☐ Other Assessment Tools:	

Major Topic Outline:

1. Beyond the Art Object? – Introduction to Time Based Arts.
2. Conception, Notation, and Translation – Compositional strategies.
3. Sequential, Non-Sequential, Simultaneous.
4. Synesthesia, virtual reality, and the design of experiences.
5. Collaboration, Participation, and Interaction.
6. Sound Art-Sculpting sound, recording and editing.
7. Animation and Experimental Video-The past and future of the moving image.
8. Performance and Installation-the limits of the art object.
9. Fundamental Concepts and Structures of Storytelling.
10. Documentation and Presentation-Site specificity.

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

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

This course aligns with lower level (100-200 level) art requirements at 4-year institutions.

PSU offers ART-103 Core:Time. U of O embeds "Time" in their version of ART-115.

How does it transfer? (Check all that apply)

- ☑ ✓ **required or support for major**
- ☐ general education or distribution requirement
- ☑ ✓ **general elective**
- ☐ other (provide details):

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

- ☐ Correspondence with receiving institution (mail, fax, email, etc.)
- ☑ ✓ **Other. Please explain.**

website. conversation with PSU advisors.

First term to be offered:

Specify term: Winter 2019

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Art/ DMC

Submitter

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

Course Prefix and Number: ART - 120

 # Credits: 2

Contact hours

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

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

Course Title: Creativity/Ideation

Course Description:

Explore and experience the process of generating ideas and developing creative problem-solving strategies in the arts. This course stresses the importance of experimentation, collaboration, non-traditional methods and psychological aspects of creating. Examines historical and contemporary ideas and issues in art.

Type of Course: Lower Division Collegiate

Reason for the new course:

Aligns with PSU's BFA requirements for transfer students.

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)?

Yes

Check which General Education requirement:

- ☐ Writing
- ☐ Oral Communication
- ☑ **✓ Arts and Letters**
- ☐ Science & Computer Science
- ☐ Mathematics
- ☐ Social Science
- ☐ Cultural Literacy

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

Yes

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

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. articulate principles of art-making practices;
2. demonstrate the process of idea development;
3. use creative problem-solving skills to explore time, space and form;
4. participate in self and group-critiques;
5. document and display an art portfolio;
6. understand and identify historical and contemporary ideas and issues in art.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

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

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

WR: Writing Outcomes

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
2. Locate, evaluate, and ethically utilize information to communicate effectively.
3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.
2. Respond to the needs of diverse audiences and contexts.
3. Build and manage relationships.

MA: Mathematics Outcomes:

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

AL: Arts and Letters Outcomes

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

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

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.
2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.
3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

☐ General Examination	☑ **✓ Projects**
☐ Oral Examination	☐ Writing Assignments
☐ Presentations	☐ Industry Standards
☐ Thesis/Research Project	☐ Multiple Choice Test
☐ Criteria	☐ Portfolios
☐ Rubrics	☐ Standardized Testing
☐ Journal Writing	☐ Checklist
☐ Performances/Simulation	☐ Pre-Post Assessment
☐ Other Assessment Tools:	

Major Topic Outline:

1. Develop strategies for generating ideas.
2. Explore elements and principles of art and design.
3. Follow the creative process from observation, concept development and fabrication to documentation and critical assessment.
4. Develop collaborative skills with fellow students.

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

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

ART-102 at PSU

How does it transfer? (Check all that apply)

- ☑ ✓ **required or support for major**
- ☐ general education or distribution requirement
- ☑ ✓ **general elective**
- ☐ other (provide details):

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

- ☑ ✓ **Correspondence with receiving institution (mail, fax, email, etc.)**
- ☐ Other. Please explain.

First term to be offered:

Specify term: winter 2017

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Art/ DMC

Submitter

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

Course Prefix and Number: ART - 121

 # Credits: 2

Contact hours

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

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

Course Title: Digital Tools

Course Description:

An introductory course that explores digital systems that artists and designers use to see, process and communicate in a quickly changing world. Pocket technology, online journaling and social media will be utilized to present the development of a personal aesthetic and encourage a daily art practice. Emphasis on ways to personalize the digital experience and streamline creative output. Projects and critiques will introduce students to the principles of design as a vocabulary to discuss work and solve visual problems. Group discussions will focus on clarifying visual communication and engaging with diverse audiences effectively.

Type of Course: Lower Division Collegiate

Reason for the new course:

Alignment with Digital Tools courses offered at 4-year institutions.

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)?

Yes

Check which General Education requirement:

- ☐ Writing
- ☐ Oral Communication
- ☑ ✓ **Arts and Letters**
- ☐ Science & Computer Science
- ☐ Mathematics
- ☐ Social Science
- ☐ Cultural Literacy

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

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

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?

- ☐ Summer
- ☐ Fall
- ☑ **✓ Winter**
- ☐ Spring
- ☐ Not every term
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. demonstrate design concepts, elements and principles;
2. visualize ideas in a variety of ways using digital technology;
3. edit audio and video footage together into a simple video piece to share online;
4. output design concepts in a variety of media and materials;
5. locate current design and digital tool concepts, artworks and artists within larger cultural and art historical context;
6. utilize digital tools and design to engage and interact ;
7. analyze personal values through self- and group-critique of work;
8. display an online portfolio of your work that is easily updated.

AAOT/ASOT GENERAL EDUCATION OUTCOMES

AAOT/ASOT GENERAL EDUCATION OUTCOMES

COURSE OUTLINE MAPPING CHART

Mark outcomes addressed by the course:

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
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As a result of completing the AAOT/ASOT general education requirements, students will be able to:

WR: Writing Outcomes

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

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

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

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

Outcomes Assessment Strategies:

☐ General Examination	☑ **✓ Projects**
☐ Oral Examination	☐ Writing Assignments
☐ Presentations	☐ Industry Standards
☐ Thesis/Research Project	☐ Multiple Choice Test
☐ Criteria	☐ Portfolios
☐ Rubrics	☐ Standardized Testing
☐ Journal Writing	☐ Checklist
☐ Performances/Simulation	☐ Pre-Post Assessment
☐ Other Assessment Tools:	

Major Topic Outline:

1 Taking projects through the design process (Research, Brainstorming, Sketching, Recording, Prototyping, Output, Critique)
2. Daily Practice : Design Blog / Social Media. Vulnerability and Connection. Digital Asset Management / Archiving
3. Signs and Symbols / Form and Content.
4. A Personal Aesthetic - Visual Unity Across platforms: Style Sheet / Brand Guidelines. Typography, Digital
5. Typesetting and Page Layout Software. Colors, Textures, Fonts, Logos, etc.
6. Meaning in Material - Compare same concept in a range of materials.
7. Designer’s role in Social Justice.
8. Online presentation of images.
9. Explore Print and other Resources
10.Video and Audio editing
11.Building a Sustainable Portfolio site / Media Plan.

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

1. Increased energy efficiency **No**

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

Percent of course: 0%

Section #2 Course Transferability

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

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

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

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

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

PSU ART-104 Digital Tools
OSU ART-121- Foundations: Computers in Visual Arts

How does it transfer? (Check all that apply)

- ☑ ✓ **required or support for major**
- ☑ ✓ **general education or distribution requirement**
- ☑ ✓ **general elective**
- ☐ other (provide details):

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

- ☑ ✓ **Correspondence with receiving institution (mail, fax, email, etc.)**
- ☑ ✓ **Other. Please explain.**

websites and conversation with PSU

First term to be offered:

Specify term: Winter 2019

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: FRP - 291

 # Credits: 3

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 60
Lab (# of hours):
Total course hours: 60

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

Course Title: Fire Academy I

Course Description:

This course provides an introduction to fire incident related experience that fulfills the requirements of OR-OSHA and the Department of Public Safety Standards and Training for Entry-Level Firefighter.

Type of Course: Career Technical Preparatory

Reason for the new course:

We are expanding the fire program to include municipal firefighting

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

No

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☑ ✓ **Not every year**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. perform at the Operations Level as a municipal firefighter;
2. demonstrate mission-specific competencies: product control, of NFPA 472, standard for competence of responders to hazardous materials/weapons of mass destruction incidents;
3. demonstrate proficiency at the Fire Fighter I level according to Oregon Department of Public Safety Standards and Training (DPSST).

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. basic knowledge of the organization of the fire department.
2. basic knowledge of the critical aspects of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program.
3. don personal protective clothing within one minute; doff personal protective clothing and prepare for reuse.
4. basic knowledge and skills in initiating responses, receiving telephone calls, and using fire department communications equipment to correctly relay verbal or written information.
5. basic knowledge and skills in use of Self Contained Breathing Apparatus (SCBA) during emergency operations.
6. basic knowledge and skills to hoist tools and equipment using ropes and the correct knot; tie a bowline, clove hitch, figure eight on a bight, half hitch, becket or sheet bend, and safety knots.
7. basic knowledge and skills to operate in established work areas at emergency scenes.

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

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

Percent of course: 10%

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: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: FRP - 292

 # Credits: 3

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 60
Lab (# of hours):
Total course hours: 60

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

Course Title: Fire Academy II

Course Description:

This course develops fire incident related experience that fulfills the requirements of OR-OSHA and the Department of Public Safety Standards and Training for Entry-Level Firefighter. Covers tools, procedures, techniques and safety precautions utilized by firefighters during fire ground operations. Includes comprehensive training in firefighting skills related to fire company evolutions. Involves transfer of knowledge obtained from classroom instruction to drill ground application during hands-on live fire training.

Type of Course: Career Technical Preparatory

Reason for the new course:

We are expanding the fire program to include municipal firefighting.

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

No

Are there prerequisites to this course?

Yes

Pre-reqs: FRP-291

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

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☑ ✓ **Not every year**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. perform at the Operations Level as a municipal firefighter;
2. demonstrate proficiency at the Fire Fighter I level according to Oregon Department of Public Safety Standards and Training (DPSST).

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. basic knowledge and skills to carry ladders, raise ladders, extend ladders and place the ladder to avoid obvious hazards
2. basic knowledge of principles of fire streams: types, design, operation, nozzle pressure effects, flow capabilities of nozzles and the application of each size and type of attack line
3. basic knowledge and skills to perform horizontal and vertical ventilation on a structure as part of a team
4. basic knowledge and skills to overhaul a fire scene and ensure fire cause evidence is preserved
5. basic knowledge and skills to perform salvage/conserve property as a member of a team
6. basic knowledge and skills to attack a passenger vehicle fire operating as a member of a team
7. basic knowledge and skills to conduct a search and rescue in a structure operating as a member of a team.

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

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

Percent of course: 10%

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: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: FRP - 293

 # Credits: 3

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 60
Lab (# of hours):
Total course hours: 60

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

Course Title: Fire Academy III

Course Description:

Provides an introductory orientation to Fire Incident Related Experience that fulfills the requirements of OR-OSHA and the Department of Public Safety Standards and Training for Entry-Level Firefighter.

Type of Course: Career Technical Preparatory

Reason for the new course:

We are expanding the fire program to include municipal firefighting.

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☑ ✓ **Not every year**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. perform at the Operations Level as a municipal firefighter;
2. demonstrate proficiency at the Fire Fighter I level according to Oregon Department of Public Safety Standards and Training (DPSST).

This course does not include assessable General Education outcomes.

Major Topic Outline:

• Demonstrate basic knowledge and skills to connect a fire department pumper to a water supply, as a member of a team.
• Demonstrate basic knowledge and skills to extinguish incipient Class A, Class B, and Class C fires, given a selection of portable fire extinguishers.
• Demonstrate basic knowledge and skills to operate fire department power supply and lighting equipment.
• Demonstrate basic knowledge and skills to extinguish Class A fires in materials, structures or storage containers that can be fought from the exterior.
• Demonstrate basic knowledge and skills to combat a ground cover fire, operating as a member of a team.
• Demonstrate basic knowledge and skills to attack an interior structure fire, operating as a member of a team.
• Demonstrate basic knowledge and skills to perform a fire safety survey in a private dwelling.
• Demonstrate basic knowledge and skills to clean and check ladders, ventilation equipment, self-contained breathing apparatus (SCBA), ropes, salvage equipment, and hand tools, and to clean, inspect, and return fire hose to service.
• Demonstrate basic knowledge and skills to present fire safety information to fire station visitors or small groups, given prepared materials.

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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Reject Publish

Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: FRP - 298

 # 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: Hazardous Materials Awareness and Operations (NFPA 472)

Course Description:

Designed to prepare individuals to safely respond to hazardous materials emergencies. Individuals will learn to analyze an incident; detect the presence of hazardous materials; survey the scene; collect hazard information from the DOT Emergency Response Guidebook; implement actions consistent with standard operating procedures; initiate protective actions and initiate the notification process.

Type of Course: Career Technical Preparatory

Reason for the new course:

We are expanding the fire program to include municipal firefighting.

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☑ ✓ **Not every year**

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

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 competencies for Hazardous Materials Awareness and Operations level certification, per National Fire Protection Association (NFPA) Standard 472 and State certification requirements per Oregon Department of Public Safety Standards and Training (DPSST);
2. apply knowledge, skills and abilities to complete the IFSAC certification process;
3. perform at the Operations Level as a municipal firefighter.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Analyze hazardous materials incidents.
2. Detect the presence of hazardous materials.
3. Survey the hazardous materials incident from a safe location, identify container & material types.
4. Collect hazard and response information.
5. Initiate the notification process.
6. Predict the behavior of a material and its container.
7. Estimate the potential harm and level of risk.
8. Determine response objectives and defensive options.
9. Determine appropriate personal protective equipment (PPE) requirements.
10. Implement a planned response, scene control, incident management system.
11. Initiate protective actions, utilize PPE, and perform defensive controls.
12. Evaluate and communicate the results of response actions.
13. Terminate the incident.

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: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 102

 # 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: Rescue Craft: Systems, Knots, and Anchors

Course Description:

This course covers an introduction to basic components of a rope rescue system. The course presents common rescue skills, current technology, and identification of risk factors in rope rescue. It covers proper application and use of common rescue equipment to limit risk. Understanding advantages and disadvantages of anchors and anchors systems for single person and rescue loads is also covered. Students will get in-class, hands-on experience with knot craft, mechanical advantage systems as well as natural and artificial anchors. This course meets the requirements for NFPA Firefighter 1-Rope and Knots as well as DPSST Course Number: 15F042/17F019.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swift water rescue.

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?

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. examine terrain and artificial anchorages for their suitability in a rescue system;
2. create diagrams of Theoretical Mechanical Advantage systems;
3. use dressed knot construction to properly tie 8 knots, hitches and bends for rescue;
4. apply rescue concepts to design anchor systems appropriate for varying rescue loads;
5. construct hitches, knots, and bends in a system.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Types of rope and rope construction
2.Effect of Knots on the strength of rope
3.8 Rescue knots, hitches and bends
4.Properly tied and dress knots
5.Selection of Anchors
6.Anchor systems
7.Common Rescue Equipment
8.Basic Mechanical advantage

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

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 103

 # Credits: 1

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 22
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: Sport Climbing Self Rescue

Course Description:

This course introduces self and partner rescue in the sport climbing world. The course covers the skills and techniques required to safely leave a vertical realm in an emergency. It covers proper planning to execute a personal or partner rescue and anticipate potential challenges throughout the rescue. Other concepts include understanding the skills and technical differences between a personal and partner rescue. Students will get theoretical and hands-on practice in several systems.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swiftwater rescue.

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?

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1.assess a rescue problem and articulate a rescue plan for responding;
2.provide rationale for rescue plan with this situation and potential issues if used;
3.evaluate advantages and disadvantages for incorporated and independent partner rescues;
4.apply rescue concepts to multiple rescue scenarios successfully.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Types of commonly encountered sport climbing problems and emergencies
2.Load release systems
3.Mechanical advantage system
4.Partner care
5.Equipment substitutes
6.Lowering systems
7.Raising Systems

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

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 201

 # Credits: 1

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 24
Lab (# of hours):
Total course hours: 24

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

Course Title: Technical Rope Rescue: Operations Level

Course Description:

This course provides students with the fundamentals of rope rescue in the low-angel environment. Students learn and practice skills pre-planning and size-up of rope rescue operations, knots, anchor systems, belay operations, ascending and descending lines, mechanical advantage systems, patient packaging & litter attending. Students learn how to safely navigate low-angle or over-the-bank rescue situations and assist rescuers in high-angle environments. Completion of the TRR:OL class satisfies the requirements in NFPA 1670 and 1006 for Technical Rope Technician level training and is recognized by Oregon DPSST.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swiftwater rescue.

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: Previous or concurrent enrollment in SAR-102.

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1.evaluate a rescue scenario and preform a scene size-up,
2.summarize NFPA and applicable standards for rescue and recovery standards,
3.use knot craft and equipment to create main and belay systems with variable friction devices and mechanical advantage systems,
4.use dressed knot construction to properly tie 8 knots, hitches and bends for rescue,
5.demonstrate personal ascent and descent on low angle terrain.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Standards and rescue philosophy
2.Personal, team and scene safety
3.Common mechanical advantage
4.Proper use of knots in systems
5.Belay and main systems
6.Tending the litter
7.Personal rappelling and low angle ascending skills
8.Anchor systems

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

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 202

 # Credits: 2

Contact hours

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

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

Course Title: Technical Rope Rescue: Technician Level

Course Description:

This course is designed to take students from basic over-the-bank rescues to progressively more vertical scenarios. Students learn and practice such skills as preplanning, size-up and scene management, ascending and descending, belaying, mechanical advantage systems, lowering and raising systems, patient packaging and litter attending, tethers, and highlines. Completion of the TRR:TL class satisfies the requirements in NFPA 1670 and 1006 for Technical Rope Technician level training and is recognized by Oregon DPSST. In addition, Technician level training is mandatory for inclusion on many Federal Emergency Management Agency Teams at different levels.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swiftwater rescue.

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: SAR-102 and SAR-201

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **✓ Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1.create a rescue preplan;
2.evaluate a rescue scenario and preform a scene size-up;
3.summarize NFPA and applicable standards for rescue and recovery standards;
4.use knot craft and equipment to create main and belay systems with variable friction devices and mechanical advantage systems for low, steep and high angle environments ;
5.apply dressed knot construction to properly tie 8 knots, hitches and bends for rescue;
6.use belay system to arrest a rescue load;
7.perform entire rescue system safety check;
8.safely pick off a suspended patient;
9.demonstrate proper patient packaging;
10.demonstrate personal ascent and descent on low, steep and high angle terrain.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Standards and rescue philosophy
2.Personal, team and scene safety
3.Simple, compound and complex mechanical advantage
4.Knot craft as equipment in systems
5.Belay and main systems
6.Patient packaging with above and below litter tending
7.Personal ascent and decent in all terrains
8.Passing a knot on the way up and down a rope
9.Weighted system change over from raise to lower to raise

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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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 203

 # Credits: 2

Contact hours

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

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

Course Title: Technical Rope Rescue: Advanced/Specialist

Course Description:

This course is for rope rescue team members who already have completed a comprehensive basic training and want to continue to specialize. This training continues where the introductory course finishes. This course examines advanced technical solutions. It elaborates on the use of multi-pods, monopod and A-frames, various configurations of steep, diagonal and horizontal spans, the use of multiple track lines in highline operations, industrial lead climbing, loads and forces, incident management and scenario training. This training is consistent with NFPA 1670 and 1006 standards for technician level.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swiftwater rescue.

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

No

Are there prerequisites to this course?

Yes

Pre-reqs: SAR-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?

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **✓ Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1.create a rescue preplan;
2.evaluate complex rescue scenario and preform a scene size up;
3.establish secure artificial high directional;
4.diagram complex system force calculations;
5.lead climb with personal protection and/or Shepard's hook;
6.use advanced knot craft and equipment to create main and belay systems with variable friction devices and mechanical advantage systems for slopping highlines, two rope offsets and skate blocks;
7.select between single and multiple track lines with English or Norwegian reeves for scenario appropriateness.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Standards and rescue philosophy
2.Personal, team and scene safety
3.Theoretical vs. actual mechanical advantage
4.Complex system force calculations
5.Complex rescue scenarios
6.Advanced anchorages and anchor systems
7.Artificial high directional:tri, quad, mono
8.Artificial anchors
9.Rescue lead climbing techniques

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

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
Last Name: Ennenga
Phone: 3539
Email: jeff.ennenga

Course Prefix and Number: SAR - 204

 # Credits: 1

Contact hours

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

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

Course Title: Safe Work at Heights and Coworker Rescue at Heights

Course Description:

The course teaches participants to deal with a colleague who has fallen and is hanging helplessly in his fall protection system. Using simple techniques and industry standard equipment, students will learn how a colleague can be freed from a dangerous situation after they have dropped into their fall arrest system. The rapid release of this trapped person must be the student's highest priority, to prevent further injury. In accordance with the law on working conditions and the consequent duty of care, an employer is required to prepare employees for this possible scenario. Generally, with a few simple tools, this problem can easily be solved.

Type of Course: Career Technical Preparatory

Reason for the new course:

Developing a new Search and Rescue program to include technical rope and swiftwater rescue.

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?

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: No

When do you plan to offer this course?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ **✓ Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1.create a rescue preplan;
2.evaluate which safety standards are appropriate;
3.summarize medical considerations, site control, and risk assessment considerations;
4.evaluate loads and forces;
5.demonstrate correct use of knots, anchor systems, rope protection, and emergency descent;
6.summarize difference between work restraint and fall arrest;
7.connect to a line with pole and system;
8.demonstrate proper patient care and personal protection;
9.perform individual pick offs.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Standards and rescue philosophy
2.Personal and scene safety
3.Medical considerations
4.Anchor selection
5.Types of equipment vs types of uses
6.Prebuilt and constructed rescue systems
7.Pick offs

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

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Section #1 General Course Information

Department: COTA

Submitter

First Name: Chris
Last Name: Whitten
Phone: 503-594-6489
Email: chrisw@clackamas.edu

Course Prefix and Number: TA - 298

 # Credits: 2

Contact hours

Lecture (# of hours): 11
Lec/lab (# of hours):
Lab (# of hours): 33
Total course hours: 44

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

Course Title: Advanced Technical Design: Material Application

Course Description:

A continued study and practice of personal craftsmanship and style in the fabrication process of scenic elements. This practicum is focused on personal development. The selection of materials and tools to generate specific units from drawings to painting is key in self-actualization.

Type of Course: Lower Division Collegiate

Reason for the new course:

Offering a continued study and practice of personal craftsmanship and style in the fabrication process of scenic elements for individual students who have already taken the six classes in technical theatre that CCC offers. This practicum is focused on personal development for the student and increasing skills in the selection of materials and tools to generate specific units from drawings to painting.

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?

- ☐ Summer
- ☐ Fall
- ☐ Winter
- ☐ Spring
- ☑ ✓ **Not every term**
- ☐ Not every year

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. create projects with supplied drawings;
2. select materials appropriate for scenic goals;
3. make appropriate tool choices for construction techniques;
4. make appropriate fastener choices for safe engineering;
5. select appropriate time-lines for success;
6. demonstrate relevant mathematical concepts;
7. demonstrate safe use of tools and scene shop practices.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Scenic Design functions.
2. Theory in scenic components.
3. Carpentry
4. Radiant Energy – Illumination.
5. Refraction, reflection, absorption.
6. Chromatics.
7. Controls, electronic.
8. Independent research

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)
- ☐ OIT (Oregon Institute of Technology)
- ☐ OSU (Oregon State University)
- ☐ OSU-Cascade
- ☑ ✓ **PSU (Portland State University)**
- ☐ SOU (Southern Oregon University)
- ☐ 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**
- ☐ other (provide details):

First term to be offered:

Next available term after approval
: