

Clackamas Community College

Online Course/Outline Submission System

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ERM-202 Energy Applications II: Leadership

General education certified: Yes **No**

- Writing
- Oral Communication
- Arts and Letters
- Science & Computer Science
- Mathematics
- Social Science
- Cultural Literacy
- Health & Physical Education

 Approved Date (mm/dd/yyyy): / / **Section #1 General Course Information****Department:** Energy & Utility Resource Management**Submitter**

First Name: John
Last Name: McLain
Phone: 0000
Email: johnmcl

Course Prefix and Number: ERM - 202**# 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: Energy Applications II: Leadership

Course Description:

Explore the concepts of leadership and management for energy industry segments of generation, transmission, and distribution operations. Develop an understanding of management and leadership strategies to expand application and resources to deal with the major issues facing energy and resource industries.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Energy & Utility Resource Management AAS & Certificate

Are there prerequisites to this course?

Yes

Pre-reqs: Pass RD-090 with a C or better or placement in RD-115, pass MTH-060 with a C or better or placement in MTH-065, pass WR-095 with a C or better or placement in WR-121, pass CS-090 with a C or better or placement in CS-120.

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

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?**No**

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ Winter

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify components of successful leadership,
2. distinguish the difference between management and leadership,
3. identify strategies for managing energy and natural resources, and their effectiveness;
4. analyze management tools and methods used for energy conservation, and assess the effectiveness of benefits for these various strategies;
5. paraphrase public policy and decision making influences, and join public participation in planning process;
6. identify energy industry organization structures,
7. propose strategies for effective leadership development plans and participation in management decision processes.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Philosophy and practices of leadership.
2. Customer needs and opportunities assessment.
3. Assessing resources and technology options.
4. Project design, components, and processes.
5. Regulations, permits and restrictions which apply.
6. Community participation strategies.
7. Project design, implementation and evaluation processes.
8. Industry regulation and rate making process.
9. Role of information technology.
10. Risk management concepts.
11. Stakeholder analysis.
12. Human resource management (E.G. unions, staff, generational).

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

:
