

Clackamas Community College

Online Course/Outline Submission System

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MFG-100 Adventures in Technology

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): / /

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Section #1 General Course Information**Department:** Manufacturing**Submitter**

First Name: **John**
Last Name: **Phelps**
Phone: **6378**
Email: **johnp**

Course Prefix and Number: MFG - 100**# 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: Adventures in Technology

Course Description:

Survey course is designed to give participants hands-on experience in electronics, manufacturing, fundamental automotive and auto body repair, basic welding and renewable energy.

Type of Course: Career Technical Supplementary

Can this course be repeated for credit in a degree?

No

What is the target audience/industry for this class?

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

Not every term

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. choose a technical career path based on interest, aptitude, compensation, working conditions and advancement opportunities;
2. identify educational requirements that are necessary to work in a variety of technical fields,
3. have an understanding of various manufacturing industries and have awareness about the state of the labor market in those industries.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Manufacturing.
2. Electronics.
3. Renewable Energy.
4. Welding.
5. Automotive.
6. Industry tours.

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

:
