

Clackamas Community College
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Section #1 General Course Information

Department: Automotive Technology: Auto Mechanics

Submitter

First Name: Nick

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Course Prefix and Number: AM - 122

Credits: 3

Contact hours

Lecture (# of hours):

Lec/lab (# of hours): 72

Lab (# of hours):

Total course hours: 72

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

Course Title: General Auto Repair II

Course Description:

Course material is coordinated with other auto courses. Includes live repair work and fundamentals such as safety, tools, measuring, and fasteners. For second term automotive students.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

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

No

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

Yes

Name of degree(s) and/or certificate(s): Automotive Service Technology AAS

Are there prerequisites to this course?

Yes

Pre-reqs: AM-121

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

No

Are there corequisites to this course?

No

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

No

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

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

- ✓ Fall
- ✓ Winter
- ✓ Spring

Is this course equivalent to another?

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

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

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

1. identify, classify and repair threaded fasteners;
2. sharpen a twist drill bit,
3. tap an unthreaded hole,
4. remove a broken bolt and repair threads as necessary,
5. install a threaded insert,
6. demonstrate proper torque procedures and proper use of torqueing tools,
7. demonstrate effective work-place communication skills,
8. demonstrate good working relationships with supervisors, co-workers and customers;
9. explain the differences in thread lockers and common automotive sealants.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Threaded fasteners.
 - a. Complete fasteners video and worksheet.
 - b. Complete fasteners test.
 - c. Sharpen a twist drill bit.
 - d. Drill hole in block of metal in preparation of tapping a hole using drill bit just sharpened.
 - e. Use a tap of appropriate size to cut new threads in hole just drilled.
 - f. Remove broken bolt and repair threads as necessary.
 - g. Watch threaded insert demonstration by instructor.
2. Thread lockers, sealers, and other automotive chemicals.

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

:
