



AUT 110 Small Gas Engines
3 Credits
College Now/CTE
Student Outcomes Checklist
cocc.edu/departments/college-now

Student's Name _____

Student's Signature _____ Completion Date _____

High School Teacher's Signature _____

Recommended Grade _____ High School _____

COCC Review Faculty's Signature _____

COURSE DESCRIPTION: Course is designed to study and apply the theory, operation, diagnoses, and repair of small gas engines and their use in the world today.

REQUIRED TEXT, DVD and WORKBOOK: *Small Gas Engines*, by Roth, 2004 edition. This course also utilizes a DVD and workbook provided by Ken Mays, COCC Automotive Program. Contact Ken at kmays@cocc.edu or 541.383.7753.

REQUIRED DOCUMENTATION: The high school teacher will send the completed student outcomes checklist (pages 1-3) and the signed final grade roster to: College Now Office, Central Oregon Community College, 2600 NW College Way, Bend, OR 97703.

ASSESSMENT AND GRADING: This automotive course utilizes a mastery level grading system. Mastery means that the student has completed each learning station at 100% proficiency on all labs and homework. If the student does not attain 100% proficiency on the first try, it is the student's responsibility to repeat the activity (lab and homework) until 100% proficiency is attained. All testing is hands-on.

Teacher evaluation will be based on the following:

1. Lab participation, completion of assignments (90% of Final Grade).
2. Professional behavior (10% of Final Grade).
 - a. makes constructive use of time, seeks learning experience.
 - b. maintains a positive learning attitude.
 - c. maintains appropriate dress.
 - d. notifies teacher of absences in advance.

GRADING: A, A-, B+, B, B-, C+, C, D, F.
See [College Now Grading Policy](#).

FINAL GRADING SCALE:

100 – 92	A (4.0 Points)	81 – 80	B- (3.3 Points)
91 – 90	A- (3.7 Points)	79 – 78	C+ (2.3 Points)
89 – 88	B+ (3.3 Points)	77 – 70	C (2.0 Points)
87 – 82	B (3.0 Points)	69 – 65	D (1 Point)
		< 64	F (0 Points)

FINAL GRADE COMPUTATION: Assign points based on grade given for lab/assignments and professional behavior.

Labs and Assignments: _____ Points x 75% = _____ Points
Professional Behavior: _____ Points x 15% = _____ Points
Total = _____ Points

Recommended Letter Grade _____
Enter here and on page 1

AUT 110 Small Gas Engines LABS and ASSIGNMENTS

STUDENT NAME: _____

LEARNING OUTCOMES:

1. Demonstrate the use of technical service materials to gather and record engine specifications for small gas engines.
2. Demonstrate knowledge of shop safety protocols, the handling of hazardous materials, and actually working safely around small gas engines.
3. Identify the parts commonly used in a small gas engine, and demonstrate good organizational skills.
4. Demonstrate with accuracy the use of precision measurement instruments when measuring small gas engine components.
5. Use proper trouble shooting diagnostic procedures to diagnose small gas engine performance issues.

INSTRUCTIONS:

Teacher: The high school teacher will evaluate, sign and date each lab assignment when the student has attained 100% proficiency.

Student: Follow the outline for each learning station. Complete the homework/skills test **prior** to the lab. You must master each assignment with 100% proficiency. You may repeat the assignment until you achieve 100%. Ask your teacher to evaluate, sign and date each activity before you advance to the next lab.

Lab 1. Small gas engine tool identification

Teacher's Signature _____ Date _____

Lab 2. Micrometer and precision measurement exercise

Teacher's Signature _____ Date _____

Lab 3 Gas engine diagnoses – mechanical

Teacher's Signature _____ Date _____

Lab 4 Gas engine diagnoses – electrical

Teacher's Signature _____ Date _____

Lab 5. Gas engine diagnoses – fuel system

Teacher's Signature _____ Date _____

Lab 6. Engine specification sheet

Teacher's Signature _____ Date _____

Lab 7. Gas engine disassemble and measurement

Teacher's Signature _____ Date _____

Lab 8. Gas engine assemble – restart

Teacher's Signature _____ Date _____

Lab 9. Sharpen and balance a mower blade

Teacher's Signature _____ Date _____

(All appropriate homework assigned using the automotive textbook available as appropriate.)