Course Number and Title: AUT 126 Work Experience Lab I

Campus Location:
Georgetown

Effective Date:
2019-51

Prerequisite:
AUT 118 or concurrent, AUT 119, AUT 122 or concurrent, ENG 101 or concurrent, SSC 100 or concurrent

Co-Requisites:
None

Course Credits and Hours:
3.00 credits
0.00 lecture hours/week
9.00 lab hours/week

Course Description:
This course requires students to work in a simulated automotive service facility on campus to reinforce first year classroom and laboratory instruction. Diagnostic skills and repair knowledge are applied on instructor assigned tasks.

Required Text(s):
Obtain current textbook information by viewing the campus bookstore - https://www.dtcc.edu/bookstores online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:
None

Schedule Type:
Classroom Course

Disclaimer:
None

Core Course Performance Objectives (CCPOs):

1. Demonstrate safety within the automotive shop environment. (CCC 1, 2; PGC 4)
2. Interpret service manuals and electronic service information. (CCC 2, 3, 5, 6; PGC 1, 2, 4)
3. Use tools and equipment to diagnose and solve a problem. (CCC 2, 3, 5, 6; PGC 1, 2, 4)
4. Adhere to simulated shop procedures. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4, 5)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):
Upon completion of this course, the student will:

1. Demonstrate safety within the automotive shop environment.
    1. Demonstrate learned competencies at an introductory level.
    2. Display safe work ethics in all assigned tasks
2. Interpret service manuals and electronic service information.
    1. Obtain necessary repair information for all assigned tasks.
    2. Perform diagnosis following proper flow charts as necessary for all assigned tasks.
3. Use tools and equipment to diagnose and solve a problem.
    1. Demonstrate use of hand and power tools necessary to perform all assigned tasks.
    2. Use special tools and equipment to disassemble and reassemble all necessary components that apply to each assigned task.
4. Adhere to simulated shop procedures.
    1. Follow simulated shop rules for proper attire, including eye protection.
    2. Exhibit punctuality in a simulated shop lab.
    3. Check out, maintain, and return tools to simulate real shop practices.
    4. Perform the strategy-based diagnostic procedure to 100% proficiency.
    5. Work cooperatively in assigned teams as in a real shop atmosphere.
    6. Use the time clock to show time management skills as needed in a real shop.
    7. Follow simulated shop rules and procedures for Environmental Protection Agency (EPA) regulations, material safety data sheet (MSDS), and material handling.

Evaluation Criteria/Policies:
Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	–	100	=	A
83	–	91	=	B
75	–	82	=	C
0	–	74	=	F

Students should refer to the Student Handbook - https://www.dtcc.edu/handbook for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Final Course Grade:
Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Summative Assessments - (4-6) Exams (equally weighted)	40 %
Summative Assessments – (Hands On) Laboratory Final Exam	30 %
Formative Assessments – (minimum of 4) Repair Order(s), Work Books, Worksheets (equally weighted)	30 %
TOTAL	100%

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Use appropriate automotive diagnostic and service equipment, hand tools, and precision measuring devices to determine and perform the proper repair as necessary.
2. Interpret automotive electronic service information, service manuals, and diagnostic charts.
3. Document service repair procedures that accurately reference the 3Cs:
    1. Customer complaint verification
    2. Correct the problem
    3. Complete the repair
4. Employ proper automotive industry service facility safety practices.
5. Practice professional conduct as required in the automotive industry.

Disabilities Support Statement:
The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the disabilities services - https://www.dtcc.edu/disabilitysupport web page or visit the campus Advising Center.