

COURSE SYLLABUS

Course Title: AUMT 2366-271 Practicum – Auto/Automotive Mechanic/Technician (3:0:21)

Semester/Year: Spring 2023

Instructor: Marc Wischkaemper/Gary Ufford

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Office Hours: Check posted hours after classes begin or by appointment.

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENTS LIFE

If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at dedens@southplainscollege.edu. A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

I. GENERAL COURSE INFORMATION

- A. Course Description: (3:0:21)** This course gives students the practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Note: The guided external experiences may be paid or unpaid. This course may be repeated if topics and learning outcomes vary. Semester Hours: 3 Lecture Hours: 0 Lab Hours: 21 Pre-requisite: AUMT 1201, AUMT 1407 with a "B" or higher, and consent of the instructor. Note: The guided external experiences may be paid or unpaid. This course may be repeated

if topics and learning outcomes vary.

- B. Course Goals/Objectives:** As outlined in the learning plan, the student will master the theory, concepts, and skills involving the tools, materials, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, and legal systems associated with the workplace; demonstrate ethical behavior, safety practices, interpersonal and teamwork skills, appropriate verbal and written communications in the workplace.
- C. Course Competencies:** A = 100-90 B = 89-80 C = 79-70 F = 69 or below
Your grade is determined by the quality and quantity of the requirements you complete. A designated person at the facility will be in charge to monitor your attached course requirements.
- D. Academic Integrity.** It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his own, any work which he has not honestly performed, is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. For further information concerning Cheating and Plagiarism, read the section on Academic Integrity in the SPC General Catalog. **If you have a question as to whether you may work with other students on any assignment, ASK YOUR INSTRUCTOR. On some assignments working with others is encouraged.**
- E. SCANS and Foundation Skills.** Specific SCANS competencies and foundation skills applicable to this course are listed adjacent to each objective in the course objective table. They include: Foundation Skills (F): 1,2,3,4,5,6,8,9,10,11,12.
Competencies (C): 5,6,7,15,16,18,19,20.
A complete list of SCANS competencies and foundation skills is attached at the end of this syllabus.
- F. Verification of Workplace Competencies-Technical Education Division.** The learning outcomes of this course will prepare the student to meet the employment competencies measured by the industry. In addition the student will also be prepared to take the ASE certification test.

II SPECIFIC COURSE/INSTRUCTOR REQUIREMENTS

- A. Textbook & Other Required Materials:**
1. No textbook required for this course.
 2. If the facility requires you to have your own basic hand tools you will be required to purchase them
 3. The facility will inform you of any other requirements.
- B. Class Attendance Policy:** A student is expected to be at the assigned facility 21 hours a week for 16 weeks or 34 hours a week for 10 weeks, no exceptions. Lack of attendance will result in automatic withdrawal from the Practicum Course. You are required to be at the college for scheduled meetings.

- C. **Assignment Policy:** See attached forms for any assignment. You are required to complete the tasks assigned to you by your instructor.

D. Grading Policy: Procedure and/or Methods of Evaluation: There will be no formal written exams for this course.

See attached form for the areas you will be evaluated in. You are expected to complete all tasks on the list and in a competent manner.

E. Special Requirements: A student's conduct is expected to follow the guidelines stated in the college catalogue, student handbook and guidelines of the facility, any deviation will result in immediate disciplinary action.

The student is responsible for following administrative policies of the Facility, as well as all state and federal guidelines required in the industry.

The student is responsible for maintaining any or all certifications or licenses required by the Facility. (i.e. ASE Certifications or state Inspection)

The student is responsible for reporting to the Facility on time and following all established regulations of the Facility.

The student is responsible for his/her own transportation.

The student will not submit for publication, any material relating to the Automotive Technology Practicum education experience without approval of the Facility and the College.

The student is responsible for maintaining a clean driving record.

I have read and understand this syllabus and agree to comply with the requirements set forth within this Practicum Course.

Student

Date

SOUTH PLAINS COLLEGE
 Automotive Technology Practicum Evaluation
 Rating Code Legend
Engine Repair

1. Incompetent - needs more training.
2. Competent, but lacks speed.
3. Competent and has good speed, performs quality repairs with some comebacks.
4. Performs high quality repairs, with none, or very few comebacks, and speed is close to the Flat Rate Time.

1. Accurately perform engine diagnostics on vehicles assigned. (compression test, cylinder leakage test, noises, coolant leaks, etc.)	1	2	3	4
2. Properly disassemble an engine to include valve train, camshaft and timing components removal on vehicles assigned.	1	2	3	4
3. Remove and reinstall an engine assembly on vehicles assigned. (long block, short block , or complete)	1	2	3	4
4. Properly reassemble an engine to include valve train, camshaft and timing components on vehicles assigned.	1	2	3	4

Comments: _____

SOUTH PLAINS COLLEGE
 Automotive Technology Practicum Evaluation
 Rating Code Legend
Manual Drivetrain

1. Incompetent - needs more training.
2. Competent, but lacks speed.
3. Competent and has good speed, performs quality repairs with some comebacks.
4. Performs high quality repairs, with none, or very few comebacks, and speed is close to the Flat Rate Time.

1. Accurately remove and reinstall a transmission and/or driveline components on vehicles assigned.	1	2	3	4
2. Accurately repair/replace clutch components and/or assembly.	1	2	3	4
3. Accurately diagnose rear axle concerns on vehicles assigned. (noises, leaks, vibrations, bearings, seals, etc.)	1	2	3	4
4. Accurately repair rear end components or assembly. (Ringgear and pinion, bearings, seals, axles, or complete assembly replacement.)	1	2	3	4

Comments: _____

SOUTH PLAINS COLLEGE
 Automotive Technology Practicum Evaluation
 Rating Code Legend
Research, Minor Tune, Exhaust Repair

1. Incompetent - needs more training.
2. Competent, but lacks speed.
3. Competent and has good speed, performs quality repairs with some comebacks.
4. Performs high quality repairs, with none, or very few comebacks, and speed is close to the Flat Rate Time.

1. Research and/or read information provided by the facility pertaining to "Tuning" a vehicle.	1	2	3	4
2. Install exhaust components as required by the facility. (Headers, pipes, mufflers, etc.)	1	2	3	4
3. Install turbochargers, intercoolers and plumbing and required by the facility.	1	2	3	4
4. Minor tune vehicles as assigned by the facility, (spark plugs, plug wires, fuel filters etc.)	1	2	3	4
5. Correctly run vehicle on dynamometer to tune or acquire horsepower specifications of vehicles assigned.	1	2	3	4

Comments: _____

SOUTH PLAINS COLLEGE
Automotive Technology Practicum Evaluation
Rating Code Legend
Engine Performance

1. Incompetent - needs more training.
2. Competent, but lacks speed.
3. Competent and has good speed, performs quality repairs with some comebacks.
4. Performs high quality repairs, with none, or very few comebacks, and speed is close to the Flat Rate Time.

1. Road test and verify customer concern on vehicles assigned.	1	2	3	4
2. Correctly install and retrieve DTC's from vehicles assigned,using a diagnostic/scan tool.	1	2	3	4
3. Correctly update the PCM/VCM (flash) on vehicles assigned.	1	2	3	4
4. Correctly diagnose sensors (original equipment or add on) as required by the Facility.	1	2	3	4
5. Replace fuel pump as required by the facility.	1	2	3	4
6. Upgrade wiring harness to accommodate new fuel pump and/or sensors.	1	2	3	4

Comments: _____
