INSTRUCTOR:
J. Will Dickison, Ph.D. Assistant Professor
Email: jdickison@angelo.edu
Office Phone: 942-2027
Office: 218 Vincent Building
Office hours: Varies from day-to-day due to teaching schedule. Please make an appointment to ensure that I’m in my office. However, when my door is open, you are welcome to walk-in!

COURSE DESCRIPTION: Teachers of agricultural science need the basic principles of internal combustion engine theory and operation. Emphasis will be on small gas power plants for ag and non-ag systems.

STUDENT LEARNING OUTCOMES: Through in-class exercises, assignments, projects, and examinations students are expected to demonstrate the following:

1. Describe how scientific and technological developments affect society and the environment.
2. Explain how engine theory relates to engine applications.
3. Explain how the internal combustion engine functions.
4. Identify various agricultural & non-agricultural power units.
5. Recognize the systems that accompany the internal combustion engine.
6. Define terminology related to engines and engine theory.

METHODS FOR ASSESSING THE STUDENT LEARNING OUTCOMES: The expected learning outcomes for the course will be assessed through: Class Discussions, Exams, Quizzes, Non-Graded Quizzes, Muddiest Point Classroom Assessment, the Historical Report, Paired Assignments, Attendance, and Lab Presentations.
**COURSE REQUIREMENTS**

*Historical Report*
Students will be responsible for writing a one-page single spaced research paper (approximately 500 words) on an assigned historical figure/invention. Students will select from a list of topics. Each paper should contain a header with course #, name, and title, and should be typed with Times 12 point font with 1 inch margins. Grades will be given on quality and ability to follow directions.

*Paired Assignments*
Within the lecture portion of this course you will give a 10 minute introduction to the unit lesson. This activity will be conducted with a partner and will be performed on an assigned date. These presentations should be accurate, organized, and should be interactive with the audience.

*Exams*
Three exams will be given throughout the semester as announced. Each will cover only the material presented since the last exam. Format will typically be multiple choice and short answer.

*Quizzes and Assignments*
The instructor reserves the right to give quizzes or special assignments. These cannot be made up if missed.

*Course Policies:* Late assignments will not be accepted, and students turning in late assignments will receive a grade of “0” for that assignment. In case of excused absence, students will be required to show documentation for the absence for late assignments to be accepted.

*Class Attendance:* Attendance is not an option, it is an expectation! Much of the course material will be absorbed through discussions, small group participation and in-class activities. Students may have up to two absences, excused or otherwise, without penalty. No questions will be asked, and no excuses need to be provided. Although missed assignments will still be considered on time with the proper documentation. Upon a student’s third absence, **THE STUDENTS FINAL GRADE WILL BE LOWERED ONE FULL LETTER GRADE AND WILL CONTINUE TO BE LOWERED WITH EACH ABSENCE THEREAFTER!** Exceptions to this rule will be for religious observances and approved trips with the proper documentation!
Course Grades: Grading Scale  
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = Below 60%

Assignments  Exams = 300 points
Historical Report = 100 points
Paired Assignment = 100 points
Quizzes = 10 points

Students grade will be calculated by total number of points earned, divided by the total number of points possible and a letter grade will be assigned.

Academic Integrity: Angelo State University "expects all students to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experiences both in and out of the classroom." Academic integrity means the student does his or her own academic work, unless the instructor explicitly permits collaboration. Academic work that was developed through collaboration or academic references must clearly indicate the location and author of the original source, and students may not fabricate or represent academic work involving data collection and analysis as original work if obtained from a secondary source. "The university may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including, but not limited to," the information listed below.

1. Plagiarism
2. Cheating
3. Fabrication
4. Misrepresentation
5. Conspiracy
6. Misuse of both Technology and Library Materials

Americans with Disabilities Act: Angelo State University is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of services, programs, or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the
Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

Student Contact: The Student Life Office is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting the Student Life Office, Room 112 University Center, at (325) 942-2191 or (325) 942-2126 (TDD/FAX) or by e-mail at Student.Life@angelo.edu to begin the process.