

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

_____ Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: DMT 96 Special Problems in Diesel Technology

UNIT VALUE: .5-3

MINIMUM NUMBER OF SEMESTER HOURS:

Lecture: 8-144 Laboratory: 16-64 Total: 32-128

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: DMT 50

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

A special study in topics in the area of interest to diesel mechanics, generally research in nature. The content to be determined by the need of the student under a signed contract with the instructor.

SPECIFIC COURSE OBJECTIVES:

Successful students will be able to:

1. Utilize the appropriate service skills to remedy any diesel technology problem or service that would be required of them.
2. Utilize special service tools and manual support in problem solving.
3. Analyze with reasonable accuracy any operational problem that might be presented in the field.
4. Develop good "job" orientated skills and attitudes.
5. Apply the principles of shop safety.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Will vary depending upon each student's specific objectives and goals.

- A. Example: A student seeking to refine their skills in engine rebuilding would be following the basic knowledge that they had learned in the engine rebuilding course.
- B. Therefore, the content of knowledge learned would depend on the specific material the student wishes to excel in.
- C. Course is designed to develop good “hands-on” experience that the student needs to seek favorable employment opportunities.

REQUIRED READING:

Applicable service manuals for the particular unit/component on which work is being performed.

SUGGESTED READING:

Other applicable reference texts and service manuals and trade periodicals.

REQUIRED WRITING:

Report outlining student’s specific goals and objectives. Report should consist of at least two to three pages of a detailed description.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Field research; visit one or more service shops and report on their type of operation.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Grading is determined by demonstrating practical problem solving, participation, completion of assigned tasks, and by the special report.

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes X No _____ Number of times course may be taken for credit: 4

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

58161 (c) (2) (A) and (B)

CONTACT PERSON:

Joe Schaeffer ext. 2548

SIGNATURES ON FILE