

DE ANZA COLLEGE
AUTOMOTIVE TECHNOLOGY
A.T. 66 - AUTOMOTIVE AIR CONDITIONING SYSTEMS
GREEN SHEET

AUTOMOTIVE TECHNOLOGY 66

I. Catalog Information

AUTO 66 - Automotive Air Conditioning Systems 4 1/2
Units

Advisories: Automotive Technology 60; English Writing
100B and Reading 100 (or Language Arts 100), or
English as a Second Language 4; Mathematics 101.

Four and one-half hours lecture per week

Fifty-four hours lecture per quarter

Operation and service of automotive air conditioning
refrigeration and electrical control systems. Emphasis
on diagnosis and repair of systems. Preparation for
Automotive Service Excellence (ASE) certification
examination in area A7.

II. Course Objectives

The student will:

- A. Define the basic design and operation of automotive
air conditioning systems.
- B. Classify the different types of systems.
- C. Describe the accepted industry techniques for
troubleshooting, maintenance, and repair of these
systems.
- D. Troubleshoot and repair these systems.

III. Essential Student Materials

Safety glasses
Notebook

IV. Essential College Facilities

Automotive shop area

V. Assignments

Reading assignments from textbooks and handouts.
Completion of required laboratory activities.

VI. Methods of Evaluating Objectives

- A. Satisfactory completion of required course notebook and laboratory activities (100 Pts)
Notebooks are due @ 10:15 PM - Monday, August 5th!
- B. Objective and written quizzes (100 Pts)
5 given 4 scored.
- C. Final examination (200 Pts)

VII. Texts and Supporting References

Texts:

Auto Heating and Air Conditioning, Johanson 3rd ed.

References:

Manufacturers service manuals as required

VIII. Other Related Information

1. Instructor: Randy Bryant
2. Office: E14B
3. Office hour M/W: 4:30 – 5:30 and by appointment
4. Telephone: (408) 864-8840 Office
5. E-mail: bryanrandy@fhda.edu

6. Grading standards:

A	=	94	-	100	percent
A	=	90	-	93	percent
B+	=	87	-	89	percent
B	=	83	-	86	percent
B-	=	80	-	82	percent
C+	=	77	-	79	percent
C	=	70	-	76	percent
D+	=	67	-	69	percent
D	=	63	-	66	percent
D-	=	60	-	62	percent

INSTRUCTOR POLICIES

Students are expected to come to class on time and prepared. A student that misses more than two class sessions may be dropped from the roster unless prior arrangements have been made with the instructor. Tardiness is disruptive to the instructor and other students. Any class exercises or quizzes that are underway will not be made available to students that miss the orientation for that activity.

Make up of work

Quizzes and tests may not be made up unless prior arrangements have been made.

Academic honesty

Students are not allowed to look at anyone else's paper or speak with anyone but the instructor during a test or quiz. If the instructor observes this occurring, that student's test will not be scored.

Student drops

Students that do not report for class during the initial session may be dropped so that room can be made for others to enroll. Any student wishing to drop the class thereafter must do so themselves at the admission and records office or by notifying the instructor. It is the **student's responsibility** to obtain a "w" and protect their grade point average. In order to receive a "w", students must withdraw before 75% of the course length has passed.

Student preparation

Students must come to the lab portion of the class prepared to work. Professional automotive clothing and safety glasses are required at all times while in the shop. Students are required to bring any specified tools to class each day. Students that are unprepared will not be allowed to participate in the lab activities.

Extra credit

Extra credit may be allowed to students that have unusual circumstances regarding their class performance.

Special projects

Students that have a special project that differs from the normal lab activities for that session shall seek the instructor's approval before beginning any work.

Clean-up

Students are asked to help with routine maintenance of the shop and vehicles. Prior to the end of each lab session, all vehicles should be restored to proper condition and parked, shop doors closed and work areas restored to proper appearance.

Student Behavior

Students are expected to abide by the policies listed in the De Anza Summer schedule of Classes 2015. Student behavior, which violates these standards, may be cause for removal from this course. Students should obtain a copy of the "De Anza College Resource Guide", if they desire more information.

Classroom and Laboratory conduct

Students will be dismissed from class for disruptive behavior per college policy.

Students will wear safety glasses, and work shoes for the duration of lab activity.

Students are to remain in assigned areas through clean up. **(Your instructor will determine if clean up is complete!)**

Tear off page

***I have read and understand the course outline and
instructor policies***

Date: _____

Name: _____

Phone #: _____

Signature: _____