

**DE ANZA COLLEGE
AUTOMOTIVE TECHNOLOGY
A.T. 63 - AUTOMOTIVE TRANSAXLES
GREENSHEET**

I. Catalog Information

AUTO 63 Automotive Transmissions & Transaxles
9.0 Units

Advisory: Auto 50A and B Advisory: English
Writing 100 and Reading 100 (or Language Arts 100), or
English as a Second Language 172 and 173; Mathematics
101 or 102

6:00PM-10:15PM Tues & Thurs

Automotive transmission operation. Theory of
operation, service and repair techniques as related
to automatic transmissions. Power flow and component
repair techniques. Preparation for Automotive Service
Excellence (ASE) certification examinations A2.

II. Course Objectives

The student will:

1. Identify the major components in an automatic transmission and transaxles.
2. Explain power flow within an automatic transmission.
3. Explain service, diagnosis and repair procedures for automotive transmissions.

III. Essential Student Materials

Safety glasses for lab demonstrations

IV. Essential College Facilities

Lecture classroom and automotive laboratory for demonstrations

V. Expanded Description: Content and Form

A. Automatic transmissions

1. Theory of operation
2. Service and repair procedures using selected automatic transaxles.
3. Diagnostic procedures

VI. Assignments

Reading assignments from textbook and handouts

VII. Methods of Evaluating Objectives

1. Objective and written quizzes.
2. Completion of lab assignments
3. Midterm examination
4. Final examination
5. Grading standards:
 - A = 90% of total points
 - B = 80% of total points
 - C = 70% of total points
 - D = 60% of total points
6. Attendance per department policy: two absences *may* be allowed per each 6 week segment. You may be dropped for excessive absences.
7. *Student Behavior* - Students are expected to abide by the policies listed in the De Anza Fall 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.

VIII. Texts and Supporting References

A. Text:

A. Automatic Transmissions and Transaxles
By Tom Birch
ISBN # 0-13-262227-0

B. Manufacturers service manuals as required

C. Course handout packet

IX. Other Related Information

1. Instructor: Rick Maynard

2. Office: E14c

3. Office hour: 5:00 - 5:50 PM

4. Telephone: (408) 864-8704 Office

Calendar of class:

22 Sept. Start of class
4 Oct Last day to add
4 Oct Last day to drop w/refund
4 Oct. Last day to drop w/ no grade
29 Oct. MIDTERM EXAM
13 Nov. Last day to drop w/"W"
26 Nov. Holiday
10 Dec. Final

It is your responsibility to drop the class if you stop coming. I will keep you on the roster and give you a grade unless you drop in time.

Classroom and Lab Conduct

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

B. Wear safety glasses and work shoes for the duration of labs.

C. Students are to remain in assigned areas through cleanup. There is one 20-minute break between lecture and lab. The instructor will check roll at start of lab. Do not leave campus on break.

- D. It is expected that work will be completed with pride and craftsmanship and that students will perform warranty services if necessary. If overtime is required, consider it the equivalent of homework.
- E. Cell phone must be turned off during all lecture and lab activities.
- F. Do not lie or cover up a mistake. If you break something, it is your duty to tell the instructor so that it can be repaired for the rest of the school to use. You embarrass yourself and your class if someone else finds it. And they will.

Security

It is understood that the facility and all within is exposed. It is therefore necessary that each and every student assume responsibility for their own security and that of other students and the department. To this end, observe the following guidelines:

- A. Watch out for fellow students' tools and secure them as well if necessary.
- B. Do not allow strangers to roam lab areas. Ask questions and secure unattended lab areas.
- C. If you unlock a door or cabinet outside of class time, lock it when done.
- D. Do not enter the tool room unless accompanied by your instructor.

Parking

Parking permits for use in designated areas are available in the Administration Building. Do not park in any shop space. These are reserved for shop activities. Cars parked improperly are subject to citation or will be moved.

Smoking

Smoking is permitted in the designated areas ONLY. Vapeing is treated the same as smoking.