



AUTO 777/832 Automatic Transmissions I

<u>Instructor:</u>	Thomas G. Broxholm
<u>Contact Information:</u>	Office Phone: 650-738-4131 Cell Phone: 415-577-9610 Office #: 8111
<u>Office Hours:</u>	Tuesday through Friday 1:00p to 2:00p.
<u>Meeting Time:</u>	6:30 pm to 9:30 pm Tuesday and Thursday
<u>Meeting Dates:</u>	3/26/2009 to 5/26/2009
<u>Website:</u>	http://www.smccd.net/accounts/broxholm
<u>Email:</u>	broxholm@smccd.net
<u>Books & Materials:</u>	Automatic Transmissions & Transaxles. 4th Edition By: Check Chart----- (Book Store) Notebook, dividers, paper, #2 pencil, Scranton answer sheets. Safety Glasses ----- (Tool Room) Basic hand tools. A tool list will be provided to you.
<u>Course Units:</u>	3 units Transferable to the CSU system.
<u>Prerequisites:</u>	None
<u>Description:</u>	This course is designed to give the student a through understanding of Automotive Automatic Transmissions, Transaxles. Servicing overhaul and system diagnosis will be stressed. Forty Five percent of this course will be hands on work experience.
<u>Homework & Quizzes:</u>	All homework must be turned in before the end of class on the due date. Any homework turned in afterwards will be considered late. Late homework is subject to a 20% loss of points. No late assignment will be excepted after the assignment has been graded.

Final Exam:

There is a multiple choice final exam scheduled for the second to last class meeting.

Class Participation:

Class participation is an observation grade given by the instructor. This grade can and will fluctuate through out the semester. The instructor will be looking at classroom behavior, preparedness, lab participation and overall conduct.

Student Evaluation:

This is done on a point system with category weights.

Grading Policy:

Homework	31 %	Attendance	5%
Written Final exams	33%	Lab	31%

The above percentages are subject to change and the students will be notified if a change is made.

Course Grading:

A = 90% - 100% B = 80% - 89.9%
 C = 70% - 79.9% D = 60% - 69.9%
 F = 59.9% and below.

Progress Reports:

Students can check their progress though my website link. The student will need to know his/her student ID number. (SS # will not work) Progress reports are updated approximately every 2 to 3 weeks.

Evening Certificate:

Evening certificates are given to each student who achieves a final grade score of 70% or better.

SLO Course Objectives:

Mastery of these SLO objectives is proportional to the students grade in the class.

Upon completion of this course the student will be able to:

- Develop and improve the students automatic transmission terminology and to demonstrate knowledge of the operational principals of: the automatic transmission and transaxles.
- Build the students critical thinking skills and formulate methods and techniques for diagnosis, overhaul & repair of: Automatic transmission and transaxles.

Student Conduct:

Conduct in class is very important and all students are expected to act as an adult college student students. That means being ready to start class on the designated time, being prepared for class by having paper, pencil, Scantrons, safety glasses, tool chits and tools. No social talking during lecture, no cell phones, no immature noise making, no throwing of objects, no plagiarism, no cheating on tests or quizzes and no copying of someone else’s work. All students are expected to complete all homework and take home assignments on time.

Cell Phones:

Cell phones must be turned off during class except when the teacher allow you to use them as a calculator.

Support Services:

The library is located in building 5, all student services are located in building 2, Automotive reference material and information can be found on one of the automotive computers. Special website links are setup on our home page for automotive related research.

DSPS Students:

All DSPS students who wish to have additional considerations must identify themselves to the instructor as a DSPS student. In addition if the student needs additional accommodations he/she must obtain an accommodation letter from the DSPS office. The DSPS office is located in building 2 and can be reached at (650) 738-4280.

Attendance:

Attendance is taken with time cards and no student is allowed to punch in or out someone else’s time card. Class starts at 6:30 pm. All students must be punched in **before** 6:30 pm and in the classroom ready to go at 6:30 pm. The time clock is the official clock in time unless for some reason it is grossly misadjusted.

Each absence will reduce your attendance percentage by 2.5%.

Each student is allowed up to 2 absences. Upon the 3 absence the student will be given a failing grade.

Special or extenuating circumstances must be approved by the instructor.

Important dates:

Last day to add a class -----March 31, 2008

Last day to drop with eligibility for a refund -----March 31, 2008

Last day to withdraw-----May 12, 2008

No School (Spring Break)-----April 6 – 12, 2009

Course Outline Summary:

Week 9 – 16 (Class meetings 1-16)

- Automatic transmission/transaxle operation & components
- Automatic transmission/transaxle overhaul
- Automatic transmission/transaxle servicing & diagnosis
- Automatic transmission/transaxle electronic controls
- Final exam on automatic transmission/transaxle.

Homework Assignments:

Unless otherwise noted or instructed all multiple choice homework questions are to be answered on a Scranton answer sheet using a # 2 pencil. Short answer questions are to be answered on a separate sheet of paper. Make sure to put your name and homework chapter on all assignments.

Automatic Drivelines: Answer the chapter questions that are found on my website at <http://www.smccd.net/accounts/broxholm/class-info.html>. These can be printed from the internet or any computer in the automotive department. If you have any difficulties and need me to provide you with the questions just ask.

The following assignment due dates are flexible and might be changed through out the semester.

Automatic Drive Lines

4/16/2009 Chapter 3 & 4

4/23/2009 Chapter 5

4/30/2009 Chapter 2

5/07/2009 Chapter 6

5/14/2009 Chapters 7 & 8

Final Exam Dates: (These dates are subject to change)

5/21/2009 Automatic Transmission