

AUTO 305 Course Outline as of Fall 2010

CATALOG INFORMATION

Dept and Nbr: AUTO 305      Title: AUTO AIR COND& HEAT  
Full Title: Automotive Air Conditioning & Heating Systems Service  
Last Reviewed: 5/8/1998

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	3.00	8	Lecture Scheduled	24.00
Minimum	1.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 48.00

Total Student Learning Hours: 72.00

Title 5 Category: AA Degree Non-Applicable  
Grading: Grade or P/NP  
Repeatability: 39 - Total 2 Times  
Also Listed As:  
Formerly: AUTO 205

**Catalog Description:**  
Theory, service, and repair of many types of automotive air conditioning & heating systems; care & use of tools & equipment.

**Prerequisites/Corequisites:**  
HS 2+2 Auto or Auto 350 or employment as an Auto Technician.

**Recommended Preparation:**  
HS Auto or Auto 350 (formerly AUTO 50) & AUTO 350L (formerly AUTO 50L) or employment as an Auto Technician. Eligibility for Engl 100 or ESL 100 or equivalent.

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Theory, service & repair of many types of automotive air conditioning & heating systems; care & use of tools & equipment. (Grade or P/NP)  
Prerequisites/Corequisites: HS 2+2 Auto or Auto 350 or employment as an Auto Technician.  
Recommended: HS Auto or Auto 350 (formerly AUTO 50) & AUTO 350L (formerly AUTO 50L) or employment as an Auto Technician. Eligibility for Engl 100 or ESL 100 or equivalent.  
Limits on Enrollment:

Transfer Credit:  
Repeatability: Total 2 Times

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**  
Not Certificate/Major Applicable

## **COURSE CONTENT**

**Outcomes and Objectives:**  
Upon completion of the course, students will be able to:  
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**Topics and Scope:**

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**Assignment:**

Students will be given a worksheet to be completed with each reading assignment. At the completion of each unit students will be given an instructor written multiple choice test using a question format similar to the classes in the advanced automotive certificate program. There will also be an instructor written multiple choice final exam. Students will be required to keep a notebook of all class handouts, assignments, and class notes which will be graded for completeness and organization.

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Exams	Problem solving 5 - 10%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Componet identification	Skill Demonstrations 5 - 10%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Multiple choice	Exams 75 - 80%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
Attendance	Other Category 5 - 15%

**Representative Textbooks and Materials:**

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