

Course Discipline Code & No: <u>ASV 252</u> Title: <u>Automatic Transmissions</u>		Effective Term <u>Fall 2009</u>
Division Code: <u>VCT</u>	Department Code: <u>AUTD</u>	Org #: _____
Don't publish: ☐ College Catalog ☐ Time Schedule ☐ Web Page		

Reason for Submission. Check all that apply.

☒ New course approval	☐ Reactivation of inactive course
☐ Three-year syllabus review/Assessment report	☐ Inactivation (Submit this page only.)
☒ Course change	

Change information: Note all changes that are being made. Form applies only to changes noted.

☐ Consultation with all departments affected by this course is required. ☒ Course discipline code & number (was <u>ASV 242</u>)* *Must submit inactivation form for previous course. ☐ Course title (was _____) ☒ Course description ☐ Course objectives (minor changes) ☐ Credit hours (credits were: _____)	☒ Total Contact Hours (total contact hours were: 60) ☒ Distribution of contact hours (contact hours were: lecture: <u>15</u> lab <u>45</u> clinical _____ other _____) ☐ Pre-requisite, co-requisite, or enrollment restrictions ☐ Change in Grading Method ☒ Outcomes/Assessment ☐ Objectives/Evaluation ☐ Other _____
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Rationale for course or course change. Attach course assessment report for existing courses that are being changed.
 Course is being re-written as part of the overall program update.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson ☐ New resources needed ☐ All relevant departments consulted		
Print: <u>Allen Day</u> Faculty/Preparer	Signature: <u>[Signature]</u>	Date: <u>10/29/2009</u>
Print: <u>Russ Ferguson</u> Department Chair	Signature: <u>[Signature]</u>	Date: <u>10/29/2009</u>
Division Review by Dean ☐ Request for conditional approval		
Recommendation ☒ Yes ☐ No	Dean's/Administrator's Signature: <u>[Signature]</u>	Date: <u>10/29/09</u>
Curriculum Committee Review Recommendation _____		
☐ Tabled ☒ Yes ☐ No	Curriculum Committee Chair's Signature: <u>[Signature]</u>	Date: <u>2/18/10</u>
Vice President for Instruction Approval		
Approval ☒ Yes ☐ No ☐ Conditional	Vice President's Signature: <u>[Signature]</u>	Date: <u>2-19-10</u>

Do not write in shaded area.

Log File 11/10/09 Ecopy ☐ Banner ☐ C&A Database ☐ C&A Log File ☐ Basic skills ☐ Contact fee ☐

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

MASTER SYLLABUS

***Complete ALL sections which apply to the course, even if changes are not being made.**

Course: ASV 252	Course title: Automatic Transmissions
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Credit hours: <u>2</u> If variable credit, give range: _____ to _____ credits	Contact hours per semester: <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="text-align: center; border-bottom: 1px solid black;">Student</th> <th style="text-align: center; border-bottom: 1px solid black;">Instructor</th> </tr> <tr> <td>Lecture:</td> <td style="text-align: center;">30</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Lab:</td> <td style="text-align: center;">22.5</td> <td style="text-align: center;">22.5</td> </tr> <tr> <td>Clinical:</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Practicum:</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Other:</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Totals:</td> <td style="text-align: center; border-top: 1px solid black;">52.5</td> <td style="text-align: center; border-top: 1px solid black;">52.5</td> </tr> </table>		Student	Instructor	Lecture:	30	30	Lab:	22.5	22.5	Clinical:	-	-	Practicum:	-	-	Other:	-	-	Totals:	52.5	52.5	Are lectures, labs, or clinicals offered as separate sections? ☐ Yes - lectures, labs, or clinicals are offered in separate sections ☒ No - lectures, labs, or clinicals are offered in the same section	Grading options: ☐ P/NP (limited to clinical & practica) ☐ S/U (for courses numbered below 100) ☒ Letter grades
	Student	Instructor																						
Lecture:	30	30																						
Lab:	22.5	22.5																						
Clinical:	-	-																						
Practicum:	-	-																						
Other:	-	-																						
Totals:	52.5	52.5																						

Prerequisites. Select one:

- ☒ College-level Reading & Writing
 ☐ Reduced Reading/Writing Scores (Add information at Level I prerequisite)
 ☐ No Basic Skills Prerequisite (College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

Course	Grade	Test	Min. Score	Concurrent Enrollment Can be taken together	Corequisites Must be enrolled in this class also during the same semester
☐ and ☐ or _____	_____	_____	_____	☐	_____
☐ and ☐ or _____	_____	_____	_____	☐	_____
☐ and ☐ or _____	_____	_____	_____	☐	_____

Level II (enforced by instructor on first day of class)

Course	Grade	Test	Min. Score
☐ and ☐ or _____	_____	_____	_____
☐ and ☐ or _____	_____	_____	_____

Enrollment restrictions (In addition to prerequisites, if applicable.)

- ☐ and ☐ or Consent required
 ☐ and ☐ or Admission to program required Program: _____
 ☒ and ☐ or Other (please specify): Completion of Automotive Mechanic Certificate or comparable field experience

Please send syllabus for transfer evaluation to:

Conditionally approved courses are not sent for evaluation.

Insert course number and title you wish the course to transfer as.

- | | |
|--|---|
| ☐ E.M.U. as _____ | ☐ _____ as _____ |
| ☐ U of M as _____ | ☐ _____ as _____ |
| ☐ _____ as _____ | ☐ _____ as _____ |

Course: ASV 252	Course title: Automatic Transmissions	
Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	Diagnosis of mechanical, hydraulic and electrical transmission systems is featured in this course. Hydraulic and electrical fundamentals, as they pertain to transmission operation, are included. Students will develop skills in the removal, disassembly, repair, reassembly and installation of automatic transmissions and transaxles.	
Course outcomes List skills and knowledge students will have after taking the course. Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	Outcomes (applicable in all sections)	Assessment Methods for determining course effectiveness
	Read and interpret vehicle service manuals	Common departmental exam; NATEF checklist
	Recognize, diagnose and repair mechanical components of transmission systems	Common departmental exam; NATEF checklist
	Recognize, diagnose and repair hydraulic components of transmission systems	Common departmental exam; NATEF checklist
Course Objectives Indicate the objectives that support the course outcomes given above. Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	Recognize, diagnose and repair electrical components of transmission systems	Common departmental exam; NATEF checklist
	Objectives (applicable in all sections)	Evaluation Methods for determining level of student performance of objectives
	Outcomes 1 and 2	Quizzes and exams; NATEF checklist
	Remove automatic transmissions and transaxles	Quizzes and exams; NATEF checklist
	Disassemble automatic transmissions and transaxles	Quizzes and exams; NATEF checklist
	Repair automatic transmissions and transaxles	Quizzes and exams; NATEF checklist
	Reassemble automatic transmissions and transaxles	Quizzes and exams; NATEF checklist
	Install automatic transmissions and transaxles	Quizzes and exams; NATEF checklist
	Recognize and evaluate torque converters, overdrive, clutch packs and overrunning clutches	Quizzes and exams; NATEF checklist
	Outcomes 1 and 3	Quizzes and exams; NATEF checklist
	Recognize and evaluate hydraulic pumps, cooling lines, pressure taps and valve bodies	Quizzes and exams; NATEF checklist
	Outcome 1 and 4	Quizzes and exams; NATEF checklist
	Recognize and evaluate computerized transmission control modules	Quizzes and exams; NATEF checklist

List all new resources needed for course, including library materials.

Student Materials:

List examples of types Texts Supplemental reading Supplies Uniforms Equipment Tools Software	Today's Technician Series, DelMar	Estimated costs \$ 100.00
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MASTER SYLLABUS

Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level only if the specified equipment is needed for all sections of a course.

☐ Level I classroom
Permanent screen & overhead projector

☐ Level II classroom
Level I equipment plus TV/VCR

☒ Level III classroom
Level II equipment plus data projector, computer, faculty workstation

☐ Off-Campus Sites

☐ Testing Center

☒ Computer workstations/lab

☐ ITV

☐ TV/VCR

☐ Data projector/computer

☐ Other _____

Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place (semester & year)	Course section(s)/other population	Number students to be assessed
Read and interpret vehicle service manuals	Common departmental exam; NATEF checklist	Fall 2011 and every three years thereafter	All sections	All students
Recognize, diagnose and repair mechanical components of transmission systems	Common departmental exam; NATEF checklist	Fall 2011 and every three years thereafter	All sections	All students
Recognize, diagnose and repair hydraulic components of transmission systems	Common departmental exam; NATEF checklist	Fall 2011 and every three years thereafter	All sections	All students
Recognize, diagnose and repair electrical components of transmission systems	Common departmental exam; NATEF checklist	Fall 2011 and every three years thereafter	All sections	All students

Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric/scoring guide.

Common departmental exam will be scored using an answer sheet
NATEF checklist will be scored using the departmentally-developed rubric (attached).

2. Indicate the standard of success to be used for this assessment.

70% of the students will score an overall average of 70% or higher

3. Indicate who will score and analyze the data (data must be blind-scored).

Departmental faculty will blind-score data when possible.

4. Explain the process for using assessment data to improve the course.

Assessment data will be evaluated to identify any areas of weakness. Program and course instruction will be reviewed to identify ways to improve student performance.