WASHTENAW COMMUNITY COLLEGE

MASTER SYLLABUS

Course Discipline Code & No: ABR 116 **Title:** The Evolution of the Automobile **Effective Term** Fall 2008

Division Code: VCT **Department Code:** ABDD **Org #:** 14110

Don't publish: ☐ College Catalog ☐ Time Schedule ☐ Web Page

Reason for Submission. Check all that apply.

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

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 _____)*
*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: _____ _____)
Distribution of contact hours (contact hours were: lecture: _ lab _ clinical _____ other _____)
☐ Pre-requisite, co-requisite, or enrollment restrictions
☐ Change in Grading Method
☐ Outcomes/Assessment
☐ Objectives/Evaluation
☐ Other _____

Rationale for course or course change. Attach course assessment report for existing courses that are being changed.

Updating contact hours to match program changes. Offer students training in the field of auto body repair and close the gap on industry, NATEF and I-Car standards.

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: W. Gary Sobbry, Jr. Faculty/Preparer — Signature W. Gary Sobbry, Jr. — Date: 5-20-08

Print: W. Gary Sobbry, Jr. Department Chair — Signature W. Gary Sobbry, Jr. — Date: 5-20-08

Division Review by Dean

☐ Request for conditional approval

Recommendation ☑ Yes ☐ No — Dean's/Administrator's Signature — Date: 5/20/08

Curriculum Committee Review

Recommendation _____

☐ Tabled ☒ Yes ☐ No — Curriculum Committee Chair's Signature — Date: 7/30/08

Vice President for Instruction Approval

Vice President's Signature — Date: 8/5/08

Approval ☒ Yes ☐ No ☐ Conditional

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Do not write in shaded area.

Log File 8/7 jr Ecopy ☐ Banner 8/7 C&A Database 8/7 C&A Log File 8/7 jr 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.

2008-09

MASTER SYLLABUS

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

Course:	**Course title:**
ABR 116	The Evolution of the Automobile

Credit hours: 2

If variable credit, give range:

_____ to _____ credits

Contact hours per semester:

	Student	Instructor
Lecture:	30	30
Lab:	15	15
Clinical:	___	___
Practicum:	___	___
Other:	___	___
Totals:	45	45

Are lectures, labs, or clinicals offered as separate sections?

☐ Yes - lectures, labs, or clinicals are offered in separate sections

X 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)

X Letter grades

Prerequisites. Select one:

X 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):
_____

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 _____

☐ U of M as _____

☐ _____ as _____

☐ _____ as _____

☐ _____ as _____

☐ _____ as _____

W&S .08

Course	Course title
ABR 116	The Evolution of the Automobile

Course description State the purpose and content of the course. Please limit to 500 characters.	This introductory course provides students with basic knowledge and skills relating to automotive design, evolution, and repair. The course combines lecture, student-conducted research, and hands-on shop training. Topics include: evolution of auto design, automotive systems, and research techniques. Students participate in lab experiences to develop skills in parts fabrication.

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
	1. Recognize the benchmarks in the evolution of the automobile.	Departmental test
	2. Identify trends in automotive design	Departmental test
	3. Use common shop tools for repair and to fabricate simple parts	Skills Checklist
	4. Use research techniques to gather information needed for accurate repair and restoration.	Written Research Paper

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.	**Objectives** (applicable in all sections)	**Evaluation** Methods for determining level of student performance of objectives
	Outcome I	
	1. Identify the contributions of key automotive pioneers.	Written responses to test questions
	2. Identify the major body design innovations	Instructor observation of lab experience & written research paper
	Outcome II	
	3. Identify design breakthroughs in automotive power trains	Instructor observation of lab experience & written research paper
	4. Identify automotive chassis design breakthroughs	
	Outcome III	
	5. Use common shop tools and equipment safely	Classroom exercises and activity projects
	6. Demonstrate metal shaping techniques by constructing a sheet metal tool tray	
	7. Design and turn a project on the lathe	
	8. Heat and form metal per hand out	
	Outcome IV	
	9. Research restoration project(s)	Instructor observation of lab experience & written research paper
	10. Identify era, make, model and innovation design.	

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

Student Materials:

List examples of types		**Estimated costs**
Texts	Course Pack	$20
Supplemental reading		
Supplies		
Uniforms		

Student Materials:

List examples of types		Estimated costs
Texts Supplemental reading Supplies Uniforms Equipment Tools Software	Course Pack	$20

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
Recognize the benchmarks in the evolution of the automobile.	Departmental test	Fall 2009 and every three years thereafter.	All sections of course offered during assessment term.	50% of students, chosen at random
Identify trends in automotive design	Departmental test	Fall 2009 and every three years thereafter.	All sections of course offered during assessment term.	50% of students, chosen at random
Use common shop tools for repair and to fabricate simple parts	Skills Checklist	Fall 2009 and every three years thereafter.	All sections of course offered during assessment term.	50% of students, chosen at random
Use research techniques to gather information needed for accurate repair and restoration.	Written Research Paper	Fall 2009 and every three years thereafter.	All sections of course offered during assessment term.	12 chosen at random

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.

   - Department developed tests will be scored using the answer sheet.
   - Skills checklist will be scored using the attached rubric
   - Written research paper will be scored using the attached rubric.

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

   - 70% of the students will earn an overall average 70% or higher on the assessments.

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

   - Department member not teaching the course that term.

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

   - Departmental faculty will review the results of the assessment to determine if course changes are required.