

Course Discipline Code & No: ABR 123 Title: Technical Auto Body RepairEffective Term W/08Division Code: VCTDepartment Code: ABROrg #: 14110Don't publish: ☐ College Catalog ☐ Time Schedule ☐ Web Page

Reason for Submission. Check all that apply.

☐ New course approval☒ 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 Auto Body Repair Applications)☒ 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: 0 lab 120 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.

3-year review of course resulted in revisions to descriptions and objectives to more accurately reflect the current industry 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 consultedPrint: Robert Lowing/Scott Malnar
Faculty/Preparer

Signature

Date: 11-15-07Print: Gary Sobry
Department Chair

Signature

Date: 11-15-07

Division Review by Dean

☐ Request for conditional approvalRecommendation ☒ Yes ☐ No

Dean's/Administrator's Signature

Date

Curriculum Committee Review

Recommendation

☐ Tabled☐ Yes☐ No

Curriculum Committee Chair's Signature

Date

Vice President for Instruction Approval

Vice President's Signature

Date

Approval ☒ Yes ☐ No ☐ Conditional

Do not write in shaded area.

Log File 11/16/07 Ecopy ☐ Banner 2/1 C&A Database 2/1 C&A Log File 2/1 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.

Office of Curriculum & Assessment

<http://www.wccnet.edu/departments/curriculum/>

Approved by Assessment Committee 10/06

Course: ABR 123	Course title: Technical Auto Body Repair
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Credit hours: <u> 4 </u> If variable credit, give range: <u> </u> to <u> </u> credits	Contact hours per semester: <u>Student</u> <u>Instructor</u> Lecture: <u> 60 </u> <u> 60 </u> Lab: <u> 45 </u> <u> 45 </u> Clinical: <u> </u> <u> </u> Practicum: <u> </u> <u> </u> Other: <u> </u> <u> </u> Totals: <u> 105 </u> <u> 105 </u>	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
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[illegible]

Course ABR 123	Course title Technical Auto Body Repair	
Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	Students continue to build on skills learned. Students will be exposed to aspects of body panel modification including fender sectioning, shaving door handles, door skinning and continuation of basic bumping techniques using specialty items such as hydraulic rams. Emphasis is placed on quality, craftsmanship and excellent work habits.	
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) 1. Analyze vehicle damage and determine structural tolerances and repair techniques. 2. Evaluate body panel damage and determine needed repair procedures and techniques. 3. Identify and demonstrate principles of welding and cutting in accordance with I-CAR standarding. 4. Demonstrate ability to restore damaged panels to factory specifications.	Assessment Methods for determining course effectiveness 1. Tests including multiple choice, TF, and fill in the blank. 2. Tests including multiple choice, TF, and fill in the blank. 3. Student Achievement Record, midterm, quizzes and final exam. 4. Student Achievement Record, final exam using department rubric.
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) (Outcome I) 1. Explore planned classroom activities and demonstrate the ability to apply fundamental principles of collision damage repair. (Outcome II) 2. Diagnose and measure unibody vehicles using a universal measuring system (mechanical, electronic, and laser). 3. Diagnose & Measure structural damage using tram and self-centering gauges. (Outcome III) 4. Determine the correct GMAW (MIG) welder type, electrode, wire type, diameter, and gas to be used in a specific welding situation. 5. Identify cutting process for different materials and locations, perform cutting operation (Outcome IV) 6. Straighten and rough-out contours of damaged panels to a suitable condition for body filling or metal finishing using power tools, hand tools, and weld-on pull attachments. 7. Replace door skin, Restore corrosion protection and Perform panel bonding	Evaluation Methods for determining level of student performance of objectives 1. Student Achievement Record and quizzes 2. Instructor review of vehicle analysis report 3. Instructor review of vehicle analysis report 4. Test and Student Achievement Record 5. Instructor review of student performance and test. 6. Test, quizzes, and Student Achievement Record 7. Instructor review, Student Achievement Record, and final exam.

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

Student Materials:

List examples of types	Estimated costs
Texts Supplemental reading Supplies Uniforms Equipment Tools Software	\$ 0

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
1. Analyze vehicle damage and determine structural tolerances and repair techniques.	1. Final exam	W/08 & every 3 yrs	All sections	All students in all sections
2. Evaluate body panel damage and determine needed repair procedures and techniques.	2. Final exam	W/08 & every 3 yrs	All sections	All students in all sections
3. Identify and demonstrate principles of welding and cutting in accordance with I-CAR standards.	3. Student Achievement Record, final exam.	W/08 & every 3 yrs	All sections	All students in all sections
4. Demonstrate ability to restore damaged panels to factory specifications.	4. Student Achievement Record, final exam.	W/08 & every 3 yrs	All sections	All students in all sections

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.

Final exams will be scored against the answer sheet.

Practical application of the task will be evaluated using the Student Achievement Record. Each task is worth 5 points and will be evaluated by the instructor based on the rubric below.

5 points = Excellent work done with no flaws and without help from instructor, follows safety requirements

4 points = Above average work done with little to no flaws with some help from instructor. Follows all safety requirements

3 points = Average work done with few flaws and some help from instructor. Follows most safety requirements.

2 points = Either below average work or average work done with substantial help from instructor. Meets minimal safety requirements.

1 point = Failed to complete task or finished product not to code or student doesn't follow safety requirements.

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

The standard of success of student performance and retention will be: 80% of the students will score 85% or higher on final exam and student achievement record. $((\text{Final} + \text{Achievement Record}) / 2 = 85\% \text{ or higher})$.

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

Department chair and instructors will blind-score the data. We will review to identify if there are areas of weakness or needed changes.

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

Assessment and update the course content. Analysis will also be done to evaluate the type of instruction used and if we identify areas of consistent weakness.