MASTER SYLLABUS

WASHTENAW COMMUNITY COLLEGE

Course Discipline Code & No: CRT 221 Title: Collision Technician II Effective Term W/08

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

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

Reason for Submission. Check all that apply.

X 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 _____)
☐ 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.

Offer stud ents training in the field of collision repair and close the gap on industry, NATEF and I-Car standards.
Originally conditionally approved

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 5/20/08 Date

Curriculum Committee Review

Recommendation _____

☐ Tabled ☒ Yes ☐ No _____ Curriculum Committee Chair's Signature 10.1.08 Date

Vice President for Instruction Approval

Roger M. Parlay. Vice President's Signature 10/6/08 Date

Approval ☒ Yes ☐ No ☐ Conditional

Do not write in shaded area.

Log File 5/21/08 sj Ecopy ☐ Banner 10/13 C&A Database 10/13 C&A Log File 10/13 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

W65 -09

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

Course:	**Course title:**
CRT 221	**Collision Technician II**

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:

☒ 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 *X* or Consent required ☐ and ☐ or Admission to program required ☒ and ☐ or Other (please specify):

Program: _____ Students must complete the Auto Body Repair (CTAUB) certificate program with a grade of "B" or better in each course.

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 _____

Course	Course title
CRT 221	**Collision Technician II**

Course description State the purpose and content of the course. Please limit to 500 characters.	This course will introduce the student to outer panel replacement that may include quarter panels, box sides, door skins, rocker sections, core supports, and other weld-on panels. Selection and proper application of tools and equipment will be emphasized. Instruction will be provided on various types of collision structural damage, frame rack set-up and measurement including diagnostics and theory of repair. In order to enroll in this class, students must complete the Auto Body Repair (CTAUB) certificate program with a grade of "B" or better in each course.

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. Analyze vehicle and determine anchoring and repair techniques. Safely anchor vehicle.	Final Exam. Student Achievment Record
2. Determine outer panel replacement and perform repairs based on diagnosis of damage.	Student Achievment Record
3. Properly evaluate electrical and mechanical components in repair procedure and perform repairs	Final Exam. Student Achievment Record
4. Select and perform the proper type weld joint on outer panel for procedure being performed	Final Exam. Student Achievment Record
5. Determine and apply appropriate removal and replacment tecniques used on stationary automotive glass	Student Achievment Record

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. Explore planned classroom activities and demonstrate the ability to apply fundamental principles of collision damage repair. 2. Analyze vehicle damage. 3. Determine appropriate anchoring devices and points 4. Select repair techniques.	Student Achievement Record, final exam and quizzes
(Outcome II) 5. Document vehicle damage according to standards. 6. Determine panel replacement (quarter, box sides, door skins, rocker sections, core supports, etc.). 7. Attach anchoring devices to vehicle 8. Remove or reposition anchoring components as necessary.	Instructor review of student performance and test.
(Outcome III) 9. Identify and evaluate electrical and mechanical components. 10. Remove and store all vehicle mechanical and electrical components that may interfere with or be damaged during repair 11. Correctly replace vehicle mechanical and electrical components that were removed.	Instructor review of student performance and test.
Outcome IV)	

	12. Determine the joint type for weld being made. 13. Correctly perform weld selected (butt weld with backing, lap, etc.) (Outcome V) 14. Remove fixed glass (heated and non-heated) using appropriate procedures. 15. Reinstall or replace fixed glass using recommended materials.	Test, quizzes, and Student Achievment Record Instructor review, Student Achievment 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		$

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 and determine anchoring and repair techniques.	Final Exam. Student Achievment Record	W/09 & every 3 yrs	All sections	All students in all sections
2. Determine outer panel replacement based on diagnosis of damage.	Student Achievment Record	W/09 & every 3 yrs	All sections	All students in all sections
3. Identify and properly evaluate electrical and mechanical components in repair procedure	Final Exam. Student Achievment Record	W/09 & every 3 yrs	All sections	All students in all sections
4. Select the proper type weld joint on outer panel for procedure being performed	Final Exam. Student Achievment Record	W/09 & every 3 yrs	All sections	All students in all sections
5. Apply appropriate removal and replacment tecniques used on stationary automotive glass	Student Achievment Record	W/09 & 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.

   The final exams will be scored against the answer sheet. Points will be assigned to each question with the results compared to the scoring guide.
   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 sucess of student performance will be: 80% of the students will score 85% or higher on the final exam and student achievement record. ((Final + Achievement Record)/2 = 85% 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 results 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