



Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: Spring

Year: 2025

Course Prefix: CRT

Course and Section #: 2400 001

Course Title: Plastic Paintless Dent Repair

Credits: 2

Course Description

Teaches plastic parts identification, interpretation of ISO codes, plastic welding equipment and techniques, SMC repairs and sectioning. Instructs in paintless dent repair tools, and methods of repair. Uses I-CAR and Industry curriculum. Includes lecture, demonstrations.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: Terrance Orr

Student Learning Outcomes

1	Identify interior and exterior automotive parts, determine thermoset and thermoplastic and identify ISO codes and their interpretation;
2	Choose correct welding equipment, methods and procedures to repair a weldable plastic part;
3	Use plastic adhesive repair methods, tools, and materials;
4	Repair fiberglass and SMC (sheet molded compound) panel replacement and sectioning;
5	Identify sheet metals used in vehicles, identify properties of metal, i.e.: elasticity, work hardening;
6	Stress relieve roll buckles, hinge buckles, crowns and compound curves;
7	Demonstrate proper metal bumping techniques;
8	Demonstrate proper paintless dent repair tool selection and its desired results;

Course Materials and Texts

Collision Repair and Refinishing, Thomas & Judd, 2017

Course Requirements

Course Assignments, Assessments, and Grading Policy

Course Objective:

The student after successful completion of the Plastic/Painless Dent Repair class should be able to:

- Understand and identify the various plastic types used in the transportation field
- Perform plastic adhesive and cohesive repair procedures
- Perform painless dent procedures
- Understand Advanced Composite use in the transportation field
- properly layup a carbon fiber part
- Achieve 3M Academy Industry Certifications
- Achieve Polyvance University Industry Certifications

Required Text and Manual:

Collision Repair and Refinishing, Thomas & Judd, 2010

Overall Grading Standards:

A 95%+ A- 92-94% B+ 89-91% B 86-88% B- 83-85% C+ 80-82%
C 77-79% C- 74-76% D+ 71-73% D 68-70% D- 65-67% F >65%

Grading Categories:

There are two grading categories that make up the overall grade. Each category has a different weighted value. The greater the categories weight the greater influence it has on the overall grade. The categories are as follows.

Class Work: (70%) Class work is determined by the average of scores from:

- Class Assignments
- Tests
- Papers

Employable Skills: (30%) Employable skills are determined by the average of scores from:

- Quality of Work
- Personal Habits – Attendance and Punctuality
- Attitude

Course Policies:

Safety is a must. Not following correct safety procedures can endanger yourself and all others in the shop. We will discuss proper safety practices and procedures before any work can begin in the shop. Not following correct safety procedures will result in a loss of points. Serious deliberate safety violations will result in the student's removal from the program.

Testing:

Missed tests and assignments must be made up within one week of the original date given and have a 10% penalty. This penalty can be avoided by taking the test early. Make the appropriate arrangements through the instructor.

Attendance:

Tardiness and absences are missed opportunities to earn points towards your grade.

You are expected to be in the lab each day, prepared to work. One missed day (there are 13 total class periods) will impact your ability to progress in this subject.

Be Prepared:

Thinking ahead to what tools and materials are required for assignments and projects is important for your overall productivity. Not having the required tools to work on assignments will result in a loss of points (See the required 1st year tool list).

The materials needed in the repair of a project are also the responsibility of the student(s) assigned to the project. The student needs to present the owner of the project with a list of needed materials and make arrangement for their procurement. The Instructor will be available to advise you.

Projects:

Each course in Collision Repair has specific learning objectives. This requires that to complete each course, specific hands on tasks must be completed to both a quality and time standard. Once the basic skill requirements have been met students may chose to work on their own project or on provided in-shop projects. The classes are arranged in a specific order to teach the required sequence and steps necessary so projects must meet the modules task requirements.

Required or Recommended Reading Assignments

Click here to enter text.

General Description of the Subject Matter of Each Lecture or Discussion

All subject matter discussed will involve collision repairs industries best practices in the identification and repair of the various polymer substrates being utilized in the transportation technologies market. Industry relevant PowerPoints are created and utilized with video elements and assessments throughout, with a post test requirement after each module. Standard Operating Procedures are thoroughly discussed and implemented to maintain relevant training in each section.

Required Course Syllabus Statements

Generative AI

AI programs are not a replacement for your human creativity, originality, and critical thinking. Writing, thinking, and researching are crafts that you must develop over time to develop your own individual voice. At the same time, you should learn how to use AI and in what instances AI can be helpful to you.

The use of generative AI tools (e.g. ChatGPT, Google Bard, etc.) is permitted in this course for the following activities:

- Brainstorming and refining your ideas;
- Fine tuning your research questions;
- Finding information on your topic;
- Drafting an outline to organize your thoughts; and
- Checking grammar and style.

The use of generative AI tools is not permitted in this course for the following activities:

- Impersonating you in classroom contexts, such as by using the tool to compose discussion board prompts/responses assigned to you or content that you put into a Teams/Canvas chat.
- Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool.
- Writing a draft of a writing assignment.
- Writing entire sentences, paragraphs or papers to complete class assignments.

You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contain misinformation or unethical content). Your use of AI tools must be properly documented and cited in order to stay within university policies on academic honesty.

Any student work submitted using AI tools should clearly indicate what work is the student's work and what part is generated by the AI. In such cases, no more than 25% of the student work should be generated by AI. If any part of this is confusing or uncertain, please reach out to me for a conversation before submitting your work.

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

Using Remote Testing Software

This course does not use remote testing software.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.