Industry and Technology
Institutional (ILO), Program (PLO), and Course (SLO) Alignment

Use the checklists provided to evaluate your SLO statements. Please add or revise PLO and SLO statements directly on this form.
Or, if you prefer to make changes on the electronic version contact your Facilitators (Pati Fairchild or SueEllen Warren) or your Division Administrative Assistant (Denise Spurlock) to have the grid emailed to you. When SLO, PLO and ILO alignment changes are made, please make changes in red.
Return the completed grid to your Facilitator by Friday, Nov 8th

Program: Auto Collision Repair/Painting	**Number of Courses: 15**	**Submitted by:** Pati Fairchild Ext. 5996

ILO Rating Rubric

4 - A major focus of the course. Direct instruction is provided. Students are evaluated multiple times (and possibly in various ways) throughout the course.
3 - An important part of the course. Some direct instruction is provided and students are evaluated on the concepts once or twice within the course.
2- Only a minor focus of the course. Some instruction is given in the area but students are not formally evaluated on the concepts.
1- May be tangentially part of the class, but is not directly taught or evaluated or is not part of the course at all.

Institutional Learning Outcomes (ILOs)	I. Content Knowledge	II. Critical, Creative, and Analytical Thinking	III. Communication and Comprehension	IV. Professional and Personal Growth	V. Community and Collaboration	VI. Information and Technology Literacy
Overall Rating Rate each from 1-4 based on above rubric	4	4	1	2	1	2

Program Level SLOs A minimum of 3 and maximum of 6 PLOS. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive PLO statements that reflect the program mission and covers the major components and the overarching goals of the program, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the PLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include PLO #, Short Title, and PLO statement. Example: PLO #2 Ethics and Professionalism*	**ILO to PLO Alignment** (Rate each 1-4)					
	I	**II**	**III**	**IV**	**V**	**VI**
PLO #1 ASE Certification Tests Upon completion of this discipline's course of study, the student will be able pass at least one ASE certification test or practice test in Auto Collision Repair (B2, B3, B4, B5 or B6)	4	4	1	2	1	1
PLO #2 I-CAR Welds Upon completion of the Auto Collision Repair/Painting program, the student will be able pass the official I-CAR MIG welding qualification test or ECC imitation. Welds include butt weld, lap weld and plug weld in flat and vertical positions.						
PLO #3 Damage Repair Estimate Upon completion of the Auto Collision Repair/Painting program, the student will be able to examine a damaged vehicle and create an informal written estimate of the parts, tools, materials and time needed to repair the vehicle.						

Course Level SLOs A minimum of 3 and maximum of 6 SLOs. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive SLO statements that cover the major components and the overarching goals of the course, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the SLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include SLO #, Short Title, and SLO Statement Example: Math 170 SLO #3 Vectors and Complex Numbers.*	**Course to PLO Alignment** *Mark with an X if you will use the course when assessing your PLO.*			**ILOs to Course Alignment** (Rate each 1-4)					
	P1	P2	P3	I	II	III	IV	V	VI
ACRP 1A Introduction to Automotive Collision Repair: SLO #1 OSHA Regulations Given an in-class writing task based upon assigned readings and classroom discussions, students will be able to identify the correct respirator for a hypothetical proposed situation, and define and explain the related OSHA regulations that apply to the situation. (SLOs revised).	X			4	3	1	1	1	1
ACRP 1A Introduction to Automotive Collision Repair: SLO #2									
ACRP 1A Introduction to Automotive Collision Repair: SLO #3									
ACRP 1B Collision Repair Equipment and Welding Techniques: SLO #1 MIG Welder Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, spot, reinforced butt) on automotive gauge steel according to I-CAR standards.	X			4	3	1	1	1	1
ACRP 1B Collision Repair Equipment and Welding Techniques: SLO #2 Panel Misalignment Students will be able to identify panel misalignment due to improper installation, prior damage, and/or improper repair and choose the proper repair steps to correct the misalignment	X			3	4	1	1	1	1
ACRP 1B Collision Repair Equipment and Welding Techniques: SLO #3									
ACRP 1C Major Collision Analysis and Repair: SLO #1 Measuring Vehicle Damage Students will be able to identity, differentiate between, and measure direct and indirect vehicle damage. Students will be able to use proper nomenclature to write an informal estimate of what vehicle parts will need to be repaired and what parts need to be replaced.	X			4	2	1	1	1	2
ACRP 1C Major Collision Analysis and Repair: SLO #2 Types of Frame Damage Given access to a damaged vehicle, students will be able to recognize one or more of the five types of frame damage and will be able to create a written repair strategy to fix the damage.	X			4	3	1	1	1	1
ACRP 1C Major Collision Analysis and Repair: SLO #3									

Course Level SLOs A minimum of 3 and maximum of 6 SLOs. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive SLO statements that cover the major components and the overarching goals of the course, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the SLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include SLO #, Short Title, and SLO Statement Example: Math 170 SLO #3 Vectors and Complex Numbers.*	**Course to PLO Alignment** *Mark with an X if you will use the course when assessing your PLO.*			**ILOs to Course Alignment** (Rate each 1-4)					
	P1	P2	P3	I	II	III	IV	V	VI
ACRP 1D Automotive Component Systems Analysis and Repair: SLO#1 Plastic Part's Type Codes Students will be able to locate a plastic part's type code and choose the appropriate repair method, tools, and materials. Students will then be able to apply the method and perform the repair	X			3	4	1	1	1	1
ACRP 1D Automotive Component Systems Analysis and Repair: SLO #2 Suspension Components Students will be able to identify damage to suspension components by measuring and visual inspection of a damaged vehicle. Students will be able to use proper nomenclature to write an informal estimate of what vehicle parts will need to be repaired and what parts need to be replaced.	X			3	4	1	1	1	1
ACRP 1D Automotive Component Systems Analysis and Repair: SLO #3									
ACRP 2A Basic Automotive Painting – Refinishing SLO #1 Mixing Primer Students will be able to mix a given quantity of primer using the correct ratio and will be able to adjust, operate, and clean an HVLP primer gun.	X			4	2	1	1	1	1
ACRP 2A Basic Automotive Painting – Refinishing SLO #2 Differentiating Repairs Students will be able to differentiate between full panel repairs, spot repairs, and blend panels and be able to prepare each for refinishing using the correct tools and procedures.	X			3	4	1	1	1	1
ACRP 2A Basic Automotive Painting – Refinishing SLO #3									
ACRP 2B Automotive Refinishing Materials and Equipment: SLO #1 Chemicals and Additives Students will be able to analyze a given repair job and choose the correct chemicals and additives needed for the job based on weather conditions, job scope, job budget, and job deadline.	X			4	3	1	1	1	1
ACRP 2B Automotive Refinishing Materials and Equipment: SLO#2 Spray Booth Operation Students will be able to set up, operate, and shut down a spray booth according to outside temperature and humidity, and the vehicle job and chemicals being sprayed.	X			3	4	1	1	1	1
ACRP 2B Automotive Refinishing Materials and Equipment: SLO#3									

Course Level SLOs A minimum of 3 and maximum of 6 SLOs. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive SLO statements that cover the major components and the overarching goals of the course, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the SLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include SLO #, Short Title, and SLO Statement Example: Math 170 SLO #3 Vectors and Complex Numbers.*	**Course to PLO Alignment** *Mark with an X if you will use the course when assessing your PLO.*			**ILOs to Course Alignment** (Rate each 1-4)					
	P1	P2	P3	I	II	III	IV	V	VI
ACRP 2C Automotive Refinishing Applications: SLO #1 Color Matching and Spot Blends Students will be able to choose the proper color for color match and perform a spot blend on a repaired sample panel.	X			4	2	1	1	1	1
ACRP 2C Automotive Refinishing Applications: SLO #2 Two-Tone Plastic Bumpers Students will be able to prepare and refinish a flexible two-tone plastic bumper using the correct chemicals and production shop procedures.	X			4	2	1	1	1	1
ACRP 2C Automotive Refinishing Applications: SLO #3									
ACRP 3A Introduction to Automotive Collision Estimating: SLO #1 Estimating Damages Students will be able to create an estimate (either handwritten or computer generated) on a given structurally damaged vehicle using correct nomenclature, labor times, and parts/materials prices using provided estimating books/software. Students will also be able to calculate the estimate total.	X			4	3	1	1	1	2
ACRP 3A Introduction to Automotive Collision Estimating: SLO #2									
ACRP 3A Introduction to Automotive Collision Estimating: SLO #3									
ACRP 4abcd Automotive Collision Repair/Collision Damage: SLO #1 Lap, Spot, and Reinforced Butt Welds Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, spot, reinforced butt) on automotive gauge steel in all 3 positions (horizontal, vertical, and overhead) according to I-CAR standards.	X			4	3	1	1	1	1
ACRP 4abcd Automotive Collision Repair/Collision Damage: SLO #2 Repair Plan Students will be able to examine a damaged panel and formulate a repair plan that includes choosing the correct tools and abrasive grits for each step of the process from initial metalwork to preparing the panel for primer.	X			3	4	1	1	1	1
ACRP 4abcd Automotive Collision Repair/Collision Damage: SLO #3									

Course Level SLOs A minimum of 3 and maximum of 6 SLOs. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive SLO statements that cover the major components and the overarching goals of the course, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the SLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include SLO #, Short Title, and SLO Statement Example: Math 170 SLO #3 Vectors and Complex Numbers.*	**Course to PLO Alignment** *Mark with an X if you will use the course when assessing your PLO.*			**ILOs to Course Alignment** (Rate each 1-4)					
	P1	P2	P3	I	II	III	IV	V	VI
ACRP 6 Automotive Collision Repair/ Applications: SLO #1 Setting Up and Using MIG Welder Students will be able to set up and use a MIG welder properly and safely to perform three welds (lap, spot, reinforced butt) according to I-CAR standards	x			3	4	1	1	1	1
ACRP 6 Automotive Collision Repair/ Applications: SLO #2 Repair Plan Students will be able to examine a damaged panel and formulate a repair plan that includes choosing the correct tools and abrasive grits for each step of the process from initial metalwork to preparing the panel for primer and refinish	X			3	4	1	1	1	1
ACRP 6 Automotive Collision Repair/ Applications: SLO #3									
ACRP 20 Automotive Collision Investigation: SLO #1 Restraint Systems Students will be able to recognize, name, and diagnose damage to multiple types of occupant restraint systems including active restraints (seat belts) and passive restraints (automated seat belts, airbags).				4	2	1	1	1	1
ACRP 20 Automotive Collision Investigation: SLO# 2 **Damage to Unitized and Full Frame Vehichles** Students will be able to recognize, name, and diagnose damage to unitized and full-frame vehicles and some of their major systems (drivetrain, brakes, suspension/steering).				4	2	1	1	1	1
ACRP 20 Automotive Collision Investigation: SLO# 3									
ACRP 22 Automotive Repair Fraud: SLO#1 Examining Accident Scenes Students will be able to examine an accident scene (in person or via video/digital media) and formulate conclusions as to the details of the accident based on proper detection and investigation procedures and collection of evidence.				3	4	1	1	1	2
ACRP 22 Automotive Repair Fraud: SLO #2 Impact Hypothesis Students will be able to analyze an accident-damaged vehicle and formulate an impact hypothesis.				3	4	1	1	1	1
ACRP 22 Automotive Repair Fraud: SLO #3									

Course Level SLOs A minimum of 3 and maximum of 6 SLOs. There are, however, exceptions. For example, if department faculty have developed one or two comprehensive SLO statements that cover the major components and the overarching goals of the course, they may present them to their Dean and Facilitator for approval as is. In cases where the facilitator or dean or faculty disagree with the rigor of the statements, the SLO statement will be forwarded to the Assessment of Learning Committee (ALC) for review and recommendations. *Include SLO #, Short Title, and SLO Statement Example: Math 170 SLO #3 Vectors and Complex Numbers.*	**Course to PLO Alignment** *Mark with an X if you will use the course when assessing your PLO.*			**ILOs to Course Alignment** (Rate each 1-4)					
	P1	P2	P3	I	II	III	IV	V	VI
ACRP 24 Automotive Collision Analysis: SLO #1 Point of Impact and Secondary Damage Students will be able to analyze an accident-damaged vehicle and from the collision deformation and damage to crush zones determine the point of impact and identify secondary damage.				3	4	1	1	1	1
ACRP 24 Automotive Collision Analysis: SLO #2 Speed Determination Students will be able to analyze an accident-damaged vehicle and formulate an impact hypothesis including 4-point and 6-point speed determination.				3	4	1	1	1	1
ACRP 24 Automotive Collision Analysis: SLO #3									
ACRP 26 Automotive Accident Reconstruction: SLO #1 Occupant Dynamics Students will be able to predict and evaluate vehicle occupant dynamics in given collision scenarios.				3	4	1	1	1	1
ACRP 26 Automotive Accident Reconstruction: SLO #2 Photography or Computer Modeling Students will be able to properly document vehicle damage using photography and/or computer modeling software for analysis of accident dynamics.				3	1	1	1	1	3
ACRP 26 Automotive Accident Reconstruction: SLO #3									