



# Wayne County Community College District

## COURSE SYLLABUS

### ABT 201 Basic Automotive Finishes

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:** This course focuses on understanding the variety of automotive finishes, including chemical composition, mixing formulas, dry time and finish application technique. Application of base and clear coat systems, as well as primers, single stage coatings and sealers are covered. This hands-on course exposes a student to proper mixing of spray materials, proper spray gun techniques with various types of equipment, the use of reference manuals, and adherence to safety procedures in the industry.

**PREREQUISITES:** ABT 141

#### **EXPECTED COMPETENCIES:**

*Upon completion of this course, the student will be familiar with:*

1. Identify color code by manufacturer's vehicle information label.
2. Shake, stir, reduce, catalyze/activate, and strain refinish materials.
3. Apply finish using appropriate spray techniques (gun arc, angle, distance, travel speed, and spray pattern overlap) for the finish being applied.
4. Apply selected product on test or let-down panel; check for color match.
5. Apply single stage topcoat.
6. Apply basecoat/clearcoat for panel blending and panel refinishing.
7. Apply basecoat/clearcoat for overall refinishing.
8. Remove nibs or imperfections from basecoat.
9. Refinish rigid or semi-rigid plastic parts.
10. Refinish flexible plastic parts.
11. Apply multi-stage coats for panel blending and overall refinishing.
12. Identify and mix paint using a formula.
13. Identify poor hiding colors; determine necessary action.
14. Tint color using formula to achieve a blendable match.
15. Identify alternative color formula to achieve a blendable match.
16. Identify the materials equipment, and preparation differences between solvent and waterborne technologies.

#### **ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

#### **GRADING SCALE:**

90%-100% = A



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80%-89.9%	=	B
70%-79.9%	=	C
60%-69.9%	=	D
<60%	=	E