

SOUTHEAST COMMUNITY COLLEGE
ADVANCED TECHNOLOGIES & SKILLED TRADES DIVISION
POWERSPORTS TECHNOLOGY
COURSE SYLLABUS
December 10, 2025

I. CATALOG DESCRIPTION

Course Number: MSTT1138
Course Title: Personal Watercraft
Prerequisite(s): AUTT1007, AUTT1016, AUTT1026, AUTT1110

Catalog Description: Proper repair and maintenance of various types of personal watercraft with special attention to steering, cooling systems, fuel delivery, and propulsion operation and repair.

Credit Hours: 2.0
Classroom Hours: 15
Lab Hours: 45
Total Contact Hours: 60

II. COURSE OBJECTIVES: *Course will:*

- A. Cover the definition of a personal watercraft.
- B. Cover hull maintenance.
- C. Cover steering systems.
- D. Cover cooling & exhaust systems.
- E. Cover fuel systems.
- F. Cover propulsion systems.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

- 1. Explain what defines a personal watercraft.
- 2. Properly perform general maintenance on the hull of various personal watercraft.
- 3. Properly diagnosis and repair steering systems on personal watercraft.
- 4. Properly service the cooling & exhaust systems on various personal watercraft.
- 5. Diagnosis, repair and adjust the fuel systems on personal watercrafts including setting pop-off pressure on PWC carburetor.
- 6. Diagnosis, repair and service the propulsion system on various personal watercraft.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Critical Thinking & Problem Solving

Outcome:

- 1. Collect, identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE

- A. Hull maintenance
- B. Steering systems
- C. Cooling & exhaust systems
- D. Fuel systems
- E. Propulsion systems

V. INSTRUCTIONAL MATERIALS

Required Text(s): Modern Motorcycle Technology with workbook, Edward Abdo

VI. METHODS OF PRESENTATION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Small and large group discussions
3. Video presentation
4. Power point slides
5. Demonstrations
6. Observation
7. Handouts
8. Guest speakers

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:

1. Average test scores
2. Skill Exhibit
3. Class/Lab attitude and participation

VIII. SPECIFIC COURSE REQUIREMENTS

- A. Average of accumulative test scores must be a minimum of 70%.**
- B. Student will complete all lab assignments.**