SOUTHEAST COMMUNITY COLLEGE
TRANSPORTATION OCCUPATIONS
POWERSPORTS TECHNOLOGY
COURSE SYLLABUS
February 28, 2023

I. CATALOG DESCRIPTION

Course Number:	MSTT1006
Course Title:	Powersports Electrical Repair
Prerequisite(s) or Co-Requisite(s):	AUTT1116

Catalog Description: This course covers specific electrical systems and components that Powersport technicians test and repair. Along with the tools and equipment that is needed to repair these vehicle systems.

Credit Hour:	1.0
Class Hours:	8
Lab Hours:	23
Total Contact Hours:	31

II. COURSE OBJECTIVES: *Course will:*

A. Cover testing and repair of the Powersport wiring systems.

B. Cover testing, diagnosis, and repair of Powersports electrical systems and components.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

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

Identify electrical components and explain their operation.

1. Utilize wiring diagrams and Powersports industry service information to help troubleshoot electrical circuits.
2. Identify the components used in motorcycle, ATV, and UTV wiring systems and explain their operation.
3. Explain the layout, symbols and uses of wiring diagrams and schematics used on motorcycles and ATV's.

B. GENERAL EDUCATION LEARNING OUTCOMES:

GELO #3: Critical Thinking & Problem Solving

Outcome:

1. Collect, Identify, Interpret and analyze data.

IV. CONTENT/UNIT OF INSTRUCTION

A. Powersport Lighting Systems

B. Powersport accessory electrical devices and components

C. Powersport variations on starting and charging systems

D. Wiring Diagrams

V. INSTRUCTIONAL MATERIALS

The Course Information Document lists the current text(s) required for this class. The list is also available in the campus bookstore. The Course Information Document also lists the tools/equipment or other supplies required for this class.

VI. METHODS OF PRESENTATION / INSTRUCTION

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

1. Lecture
2. Small and large group discussion
3. Video presentation
4. Demonstrations
5. Project boards
6. Handouts
7. Observations
8. Assigned lab projects
9. Online information
10. Field trips.

VII. METHODS OF EVALUATION

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

1. Notebook (if required)
2. Quizzes
3. Tests
4. Lab grades
5. Attendance/class conduct

Letter grades will be based on the SCC Standard Grade Scale Policy. Note: See Course Information Document for specific details on how the course grades will be calculated.

VIII. SPECIFIC COURSE REQUIREMENTS

A. Student must:

1. Completion of all tests, projects, assignments, and notebook (if required).
2. Must earn a final grade of 70% (2.0) or higher.

B. Attendance as stated in the college student handbook, automotive lab and classroom policies handbook or course Information Document.

C. Shop safety rules will be followed.

D. Additional course requirements.