

Washtenaw Community College Comprehensive Report

MST 110 Motorcycle Service Technology I Effective Term: Winter 2018

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Motorcycle Technology

Discipline: Motorcycle Service Technology

Course Number: 110

Org Number: 14140

Full Course Title: Motorcycle Service Technology I

Transcript Title: Motorcycle Serv Technology I

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Consultation with all departments affected by this course is required.

Outcomes/Assessment

Rationale: Update master syllabus as a result of the assessment report.

Proposed Start Semester: Winter 2018

Course Description: In this course, students are introduced to the operation of a motorcycle service department. Students will be instructed in the proper use of hand and shop tools. The theory, operation, tolerances, and specifications of basic internal combustion engines will be covered. Included in this class are the proper procedures for precision measurements, using a service and parts manual, and performing mileage-based maintenance. Emphasis is placed on time and quality proficiency.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 45 **Student:** 45

Lab: Instructor: 60 **Student:** 60

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 105 **Student:** 105

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the basic structure of a service department from both a theoretical and operational perspective.

Assessment 1

Assessment Tool: Final written exam

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key and departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score 70% or higher

Who will score and analyze the data: Departmental faculty

2. Demonstrate time and quality proficiency in vehicle maintenance such as tear down, inspection and reassembly of an internal combustion engine.

Assessment 1

Assessment Tool: Final written and practical exam

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key and departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score 70% or higher

Who will score and analyze the data: Departmental faculty

3. Demonstrate time and quality proficiency in vehicle maintenance such as replacing tires and wheel bearings, and mileage-based maintenance.

Assessment 1

Assessment Tool: Final written and practical exam

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key and departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score 70% or higher

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Use shop and hand tools in a safe manner.
2. Use service and parts manuals.
3. Recognize factors of time management as it applies to the payment structure of a flat rate technician.
4. Identify labor hours for repairs and use those to accurately schedule customer appointments.
5. Perform small engine tear down, inspection and reassembly.
6. Perform tire replacement.
7. Perform wheel bearing replacement.
8. Perform mileage-based maintenances.

New Resources for Course

Course Textbooks/Resources

- Textbooks
- Manuals
- Periodicals
- Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Michael Shute</i>	<i>Faculty Preparer</i>	<i>Aug 10, 2017</i>
Department Chair/Area Director: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Aug 22, 2017</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Aug 23, 2017</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Oct 23, 2017</i>
Assessment Committee Chair: <i>Michelle Garey</i>	<i>Recommend Approval</i>	<i>Oct 24, 2017</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Oct 25, 2017</i>