Washtenaw Community College Comprehensive Report

MST 120 Motorcycle Service Technology II
Effective Term: Winter 2015

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: Motorcycle Technology
Discipline: Motorcycle Service Technology
Course Number: 120
Org Number: 14140
Full Course Title: Motorcycle Service Technology II
Transcript Title: Motorcycle Serv Technology II
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: Regular three-year review based on assessment report.
Proposed Start Semester: Winter 2015
Course Description: In this course, students will learn to identify and explain the operational theory of motorcycle drivelines. They will learn to diagnose, service and repair primary and final drive systems, clutch assemblies, transmissions, wheels, brakes, and front and rear suspension components. They also learn the theory of frame geometry and design.

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

Prerequisite
MST 110 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the basic structure, geometry and design of different frame construction.
   Assessment 1
   Assessment Tool: Final and practical lab exams
   Assessment Date: Spring/Summer 2016
   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: Department faculty

2. Demonstrate time and quality proficiency in diagnosing, servicing and repairing of primary and final drive systems, clutch assemblies, transmissions, suspension and braking systems.
   Assessment 1
   Assessment Tool: Final and practical lab exams
   Assessment Date: Spring/Summer 2016
   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: Department faculty

Course Objectives

1. Explain the operational theory of frame geometry and design.
   Matched Outcomes
2. Diagnose, service and repair primary and final drive systems.
   Matched Outcomes
3. Diagnose, service and repair clutch and transmission assemblies.
   Matched Outcomes
4. Diagnose, service and repair front and rear suspension systems.
   Matched Outcomes
5. Diagnose, service and repair basic and advanced braking systems.
   Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Reviewer	Action	Date
Faculty Preparer:		
Michael Shute	*Faculty Preparer*	*Apr 28, 2014*
Department Chair/Area Director:		
Shawn Deron	*Recommend Approval*	*Apr 30, 2014*
Dean:		
Marilyn Donham	*Recommend Approval*	*May 07, 2014*

Vice President for Instruction:

Bill Abernethy *Approve* *Aug 21, 2014*