

# MOTORCYCLE MECHANICS

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 101</b>	<b>Intro to Motorcycle Mech</b>	3	8	7
Prerequisites:	None			
Corequisites:	None			

This course covers the proper nomenclature of parts and components of motorcycles, ATVs, and personal watercraft. Topics include theory of operation, differences of operation, preventive maintenance, and operating principles involved in servicing and repairing motorcycles, ATVs, and personal watercraft. Upon completion, students should be able to perform basic inspection, diagnosis, repair, and/or adjustment of motorcycles, ATVs, and personal watercraft. *This is a diploma-level course.*

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 102</b>	<b>Motorcycle Engines</b>	2	9	5
Prerequisites:	None			
Corequisites:	None			

This course covers the construction and operation of components in internal combustion engines used in modern motorcycles. Topics include two- and four-cycle engines, power trains, and final drive systems. Upon completion, students should be able to disassemble, inspect, measure, reassemble, and operationally test two- and four-cycle motorcycle engines. *This is a diploma-level course.*

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 103</b>	<b>Motorcycle Elect Systems</b>	2	8	6
Prerequisites:	None			
Corequisites:	None			

This course introduces starting, ignition, charging, and electrical accessory systems and their components and how they function in modern motorcycles. Topics include wiring diagrams, batteries, AC generators, rectifiers, voltage regulators, and diodes as well as points-coil, capacitor discharge, and electronic ignition systems. Upon completion, students should be able to diagnose and repair various starting, ignition, charging, and electrical accessory systems. *This is a diploma-level course.*

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 104</b>	<b>Motorcycle Fuel Systems</b>	2	6	5
Prerequisites:	None			
Corequisites:	None			

This course introduces various types of fuels and fuel systems used in motorcycle internal combustion engines. Emphasis is placed on the theory and principles of carburetion and fuel injection. Upon completion, students should be able to service, disassemble, inspect, reassemble, and adjust to manufacturers' specifications the components of various fuel systems. *This is a diploma-level course.*

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 105</b>	<b>Motorcycle Chassis</b>	1	6	3
Prerequisites:	None			
Corequisites:	None			

This course covers chassis adjustments, components, and types and uses of frames and suspensions. Emphasis is placed on proper and safe use of tools and equipment in servicing and maintaining motorcycle chassis. Upon completion, students should be able to service and repair motorcycle chassis systems and suspension components. *This is a diploma-level course.*

*Effective Term - Summer 1997 [1997\*02]*

<b>MCM 106</b>	<b>Troubleshooting</b>	2	6	4
Prerequisites:	None			
Corequisites:	None			

This course covers shop procedures for fast and accurate diagnosis of problems in the electrical, mechanical, and fuel systems of motorcycles. Emphasis is placed on developing a logical sequence of diagnostic procedures. Upon completion, students should be able to diagnose problems in the electrical, mechanical, and fuel systems of motorcycles. *This is a diploma-level course.*

*Effective Term – Spring 2009 [2009\*01] – CRC 09/23/08*

<b>MCM 112</b>	<b>Motorcycle Transmissions</b>	3	8	7
Prerequisites:	None			
Corequisites:	None			

This course covers the construction, operation, and repair of drivelines in modern all-terrain vehicles (ATV's), watercraft, and motorcycles. Topics include chain, belt, and shaft drives, gearboxes, gear and sprocket ratios, power transmission fundamentals, rear ends, and four-wheel drive systems. Upon completion, students should be able to disassemble, inspect, measure, repair, reassemble, and operationally test driveline components and transmissions in ATV's, watercraft, and motorcycles.

*See the SEL and SEM prefixes for generic Selected Topics and Seminar course descriptions.*