

COURSE OUTLINE: MPF0121 - AUTO VEH SYST MAINT.

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Approved: Martha Irwin, Chair, Community Services and Interdisciplinary Studies

Course Code: Title	MPF0121: AUTOMOTIVE VEHICLE SYSTEMS FOR CICE		
Program Number: Name	1120: COMMUNITY INTEGRATN		
Department:	C.I.C.E.		
Semesters/Terms:	19W		
Course Description:	This course is an automotive workplace preparation course. You will perform entry level automotive maintenance tasks. Topics will include: vehicle component and systems identification, wheels and tires, vehicle lubrication and maintenance inspections, seasonal inspection programs and oil life and tire monitor system reset procedures. Work ethics and customer satisfaction will be stressed.		
Total Credits:	2		
Hours/Week:	4		
Total Hours:	32		
Prerequisites:	There are no pre-requisites for this course.		
Corequisites:	There are no co-requisites for this course.		
Essential Employability Skills (EES) addressed in this course:	 EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. EES 9 Interact with others in groups or teams that contribute to effective working relevant of apple 		
	relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects.		
	EES 10 Manage the use of time and other resources to complete projects.EES 11 Take responsibility for ones own actions, decisions, and consequences.		
Course Evaluation:			
Other Course Evaluation & Assessment Requirements:	The following semester grades will be assigned to students: Grade Definition Grade Point Equivalent A+ 90 - 100% 4.00 A 80 - 89%		

	 B 70 - 79% 3.00 C 60 - 69% 2.00 D 50 59% 1.00 F (Fail)49% and below 0.00 CR (Credit) Credit for diploma requirements has been awarded. S Satisfactory achievement in field /clinical placement or non-graded subject area. U Unsatisfactory achievement in field/clinical placement or non-graded subject area. X A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course. NR Grade not reported to Registrar's office. W Student has withdrawn from the course without academic penalty. 			
Books and Required Resources:	Automotive Technology: A Systems Approach by Bennett Publisher: Thomson Nelson Learning Canada Edition: 3rd Canadian Heavy Duty Truck Systems by Bennet Publisher: Thomson Nelson Learning Canada Edition: 6th			
Course Outcomes and Learning Objectives:	Upon successful completion of this course, the CICE student, with the assistance of a Learning Specialist will acquire varying levels of skill development relevant to the following learning outcomes:			
	Course Outcome 1	Learning Objectives for Course Outcome 1		
	Motive Power Information Technology	Potential Elements of the Performance: Access manufactures service information Prepare documentation explaining a repair procedure Document vehicle maintenance inspection results Prepare a proper vehicle Work Order		
	Course Outcome 2	Learning Objectives for Course Outcome 2		
	Work Practices	Potential Elements of the Performance: Perform safe lifting procedures and a two post hoist Perform safe lifting procedures and a four post hoist Safely lift and support and vehicle using a floor jack and jack stands Repair a damaged thread Identify hand tools		
	Course Outcome 3	Learning Objectives for Course Outcome 3		
	Electricity	Potential Elements of the Performance: Demonstrate proficiency at using a DVOM Perform a wiring repair Test starting and charging systems Perform battery load test Perform battery charging technique		
	Course Outcome 4	Learning Objectives for Course Outcome 4		
	Brakes	Potential Elements of the Performance: Inspect and report on braking system condition Service disc and drum brakes Report on fluid condition Repair a brake line Repair a fuel line		
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	Course Outcome 5Steering and SuspensionCourse Outcome 6Engines		Learning Objectives for Course Outcome 5 Potential Elements of the Performance: Repair a tire Balance tires Inspect condition of shocks and struts Lubricate steering and suspension components Learning Objectives for Course Outcome 6 Potential Elements of the Performance: Perform a vehicle maintenance inspection including engine oil and filter change Service a cooling system Remove and replace engine accessory drive belts Test engine oil pressure		
	Course Outcome 7 Lea		Learning	Learning Objectives for Course Outcome 7	
	Fuel systems	Replace f Repair ga		Elements of the Performance: fuel filters	
Evaluation Process and	Evaluation Type	Evaluati	on Weight	Course Outcome Assessed	1
Grading System:	Assighments	10%			
	Employabilty Skills	10%			
	Shop	35%			
	Tests	45%			
CICE Modifications:	Preparation and Participation				
	 A Learning Specialist will attend class with the student(s) to assist with inclusion in the claand to take notes. Students will receive support in and outside of the classroom (i.e. tutoring, assistance with homework and assignments, preparation for exams, tests and quizzes.) Study notes will be geared to test content and style which will match with modified learning outcomes. Although the Learning Specialist may not attend all classes with the student(s), support walways be available. When the Learning Specialist does attend classes he/she will remain a inconspicuous as possible. Further modifications may be required as needed as the semester progresses based on individual student(s) abilities and must be discussed with and agreed upon by the instructor. Tests, which require essay answers, may be modified to short answers. Short answer questions may be changed to multiple choice or the question may be simpling of the answer will reflect a basic understanding. 				oring, assistance with with modified learning student(s), support will he/she will remain as rogresses based on bon by the instructor.
SAULT COLLEGE 144	 Tests, which use question, or a list of clues. Tests in the T/F o 	fill in the t choices fo r multiple	blank forma or all questi choice form	t, may be modified to include a ons. This will allow the student nat may be modified by reword	to match or use visual ing or clarifying

	statements into layman's or simplified terms. Multiple choice questions may have a reduced number of choices.
	C. Tests will be written in CICE office with assistance from a Learning Specialist.
	The Learning Specialist may:
	 Read the test question to the student. Paraphrase the test question without revealing any key words or definitions. Transcribe the student's verbal answer. Test length may be reduced and time allowed to complete test may be increased.
	D. Assignments may be modified in the following ways:
	 Assignments may be modified by reducing the amount of information required while maintaining general concepts. Some assignments may be eliminated depending on the number of assignments required in the particular course.
	The Learning Specialist may:
	 Use a question/answer format instead of essay/research format Propose a reduction in the number of references required for an assignment Assist with groups to ensure that student comprehends his/her role within the group Require an extension on due dates due to the fact that some students may require additional time to process information Formally summarize articles and assigned readings to isolate main points for the student Use questioning techniques and paraphrasing to assist in student comprehension of an assignment
	E. Evaluation:
	Is reflective of modified learning outcomes.
	NOTE: Due to the possibility of documented medical issues, CICE students may require alternate methods of evaluation to be able to acquire and demonstrate the modified learning outcomes
Date:	December 14, 2018
	Please refer to the course outline addendum on the Learning Management System for further information.