

COURSE OUTLINE: ELR726 - MONIT.& COMM.SYSTEMS

Prepared: shager

Approved: Corey Meunier, Chair, Technology and Skilled Trades

ELR726: MONITORING & COMMUNICATION SYSTEMS					
6521: CONST & MTCE ELE I	NT				
ELEC. APPRENTICES					
18F, 19F, 20F					
This course introduces the student to monitoring and communication systems, such as fire alarm systems, nurse call systems and paging systems. Related codes and standards are also covered. Theory is supported by appropriate labs.					
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There are no pre-requisites for this course.					
There are no co-requisites for	this course.				
Science and Technology					
Passing Grade: 60%, D					
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 W Student has withdrawn from the course without academic penalty.					
Course Outcome 1	Learning Objectives for Course Outcome 1				
Interpret the Canadian Electrical Code (CEC), National Building Code and ULC requirements pertaining to Fire Alarm Systems.	Describe the principles of operation and installation requirements of single stage, two stage, initiation and supervisory circuits. Describe the principles of operation and installation requirements for pull stations, detectors, flow switches, bells, speakers, addressable initiating devices and sprinkler supervisory devices.				
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			ciples of operation and installation eaker and ancillary relay circuits, emergency phones.			
		- Describe the basi	c operation of wet and dry sprinkler systems.			
			s and dangers of fire suppression agents, the ystems used for their installation in ns.			
			dard for the installation, inspection, testing Fire Alarm Systems.			
			n Building Code to determine the installation e alarm systems and related equipment.			
			installation, troubleshooting and testing of visory circuits and devices including two g.			
			installation, troubleshooting and testing of ary relay circuits, annunciators.			
		panels with respec	installation, operation and testing of alarm t to lights and lamps, power supplies, s, ground fault indicators, annunciator panels le functions.			
		- Connect intrusion	nect intrusion systems and devices.			
		- Connect the wirin	g and operation of nurse call systems.			
Evaluation Process and	Evaluation Type	Evaluation Weight	Course Outcome Assessed			
Grading System:	Lab reports/test	50%	- Course Cateonic Assessed			
	<u>'</u>	1				
	Theory Tests/ Assignments	50%				

Evaluation Process and Grading System:	Evaluation Type	Evaluation Weight	Course Outcome Assessed		
	Lab reports/test	50%			
	Theory Tests/ Assignments	50%			
Date:	August 20, 2018				
	Please refer to the course outline addendum on the Learning Management System for fur information.				

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