

COURSE OUTLINE: ELR726 - MONIT.& COMM.SYSTEMS

Prepared: shager

Approved: Corey Meunier, Chair, Technology and Skilled Trades

ELR726: MONITORING & COMMUNICATION SYSTEMS					
6521: CONST & MTCE ELE INT					
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.					
3					
3					
30					
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 W Student has withdrawn from the course without academic penalty.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.				
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. 3 3 30 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 Interpret the Canadian Electrical Code (CEC), National Building Code and ULC requirements ULC requirements Learning Objectives for Course Outcome 1 Interpret the Canadian Electrical Code (CEC), National Building Code and ULC requirements					

SAULT COLLEGE | 443 NORTHERN AVENUE | SAULT STE. MARIE, ON P6B 4J3, CANADA | 705-759-2554

ELR726: MONITORING & COMMUNICATION SYSTEMS

			ciples of operation and installation eaker and ancillary relay circuits,		
			emergency phones.		
		- Describe the basi	c operation of wet and dry sprinkle	er systems.	
			s and dangers of fire suppression a ystems used for their installation ir ns.		
			dard for the installation, inspection Fire Alarm Systems.	n, testing	
			n Building Code to determine the in re alarm systems and related equip		
			installation, troubleshooting and te visory circuits and devices includi g.		
		 Demonstrate the installation, troubleshooting and testing of speaker and ancillary relay circuits, annunciators. Demonstrate the installation, operation and testing of alarm panels with respect to lights and lamps, power supplies, overcurrent devices, ground fault indicators, annunciator panels and common trouble functions. Connect intrusion systems and devices. Connect the wiring and operation of nurse call systems. 			
Evaluation Process and	Evaluation Type	Evaluation Weight	Course Outcome Assessed		
Grading System:	Lab reports/test	50%	- Caroo Gatoonio Accossed		
	Theory Tests/ Assignments				

	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 further information.			

ELR726: MONITORING & COMMUNICATION SYSTEMS