Northwest State Community College

Module Learning Sequence

Course Number and Title:	PLC210 Programmable Controller II
Module # and Topic Title:	Module #2: AB ControlLogix/CompactLogix Move/Logical Instructions
Semester:	Any – Last updated – 12/14/16

ACTIVITY	DESCRIPTION	TIME ON TASK	DUE	POINTS
Reading Activity	Intro to ControlLogix PAC, Gary Dunning, 2nd Edition: Chapter 16 (Data-Handling Instructions), Pg. 410-424.	Estimated TOT **2.0 Hr.**		
Reading Activity	Allen Bradley Logix5000 Controllers General Instruction Reference Manual: Chapter 7 (Move/Logical Instructions), **Focus on just the Ladder Logic Instructions.** BTD - Bit Field Distribute Instruction - Pg. 365 AND - Bitwise And - Pg. 372 OR - Bitwise Or - Pg. 396 XOR - Bitwise Exclusive Or - Pg. 377	Estimated TOT **2.0 Hr.**		
Learning Activity	Module 2 Instructor Overview Document	Estimated TOT **1.5 Hr.**		
Learning Activity	Video: PLC210_M2_BTD Instruction: https://www.youtube.com/watch?v=N2g0nmAH8do&feature=youtu.be	Estimated TOT **0.5 Hr.**		
KAA	KAA for Module 2	Estimated TOT **1.5 Hr.**		Minimum of 80%
Lab Exercise	PLC210_Lab_Exercise_3_Logic Instructions_M2	Estimated TOT **2.0 Hr.**		
Hands-On Assessment	Hands-On Assessment for Module 2	Estimated TOT **2.0 Hr.**		100% Demonstration
TOTAL		**Approx. 11.5 Hrs**	12-15 hours per week	

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