Northwest State Community College

| Course Number and Title: | PLC210 Programmable Controller II |
|---|---|
| Module # and Topic Title: | Module #1: AB ControlLogix/CompactLogix Comparison 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 15 (Comparison Instructions), Pg. 285-394. | Estimated TOT **1.5 hours** | | |
| Reading Activity | Allen Bradley Logix5000 Controllers General Instruction Reference Manual: Chapter 5 (Comparison Instructions), Pg. 283-325.  **Focus on just the Ladder Logic Instructions.** | Estimated TOT **2.0 Hr.** | | |
| Learning Activities | Module 1 Instructor Overview Documents.pdf | Est. TOT **2.0Hr.** | | |
| Learning Activity | Video 1: Configuring a new RSLogix5000 pr...sed on the CompactLogix training boards: https://www.youtube.com/watch?v=uaR48wNsuVA&feature=youtu.be  Video 2: Importing an RSLogix5000 L5K backup_to_ACD file: https://www.youtube.com/watch?v=NZOW48GT_0o&feature=youtu.be  Video 3: RSLogix Emulate5000_RSLinx Setup: https://www.youtube.com/watch?v=ZP0yxqsVLng&feature=youtu.be  Video 4: RSLogix Emulate5000_RSLogix5000 Setup: https://www.youtube.com/watch?v=1T7qduc4qCU&feature=youtu.be  Video 5: Backing up an RSLogix5000 ACD project file_to_L5K file: https://www.youtube.com/watch?v=9Oo-mzf9nm8&feature=youtu.be  Video 6: Converting an L5K ControlLogix Backup file from Sakai to the Virtual Machine: https://www.youtube.com/watch?v=jVP0ttTQ8Ic&feature=youtu.be  Video 7:Reconfigure Lab Files for the RSLogix5000 Emulator: https://www.youtube.com/watch?v=pc4xNFQrBxM&feature=youtu.be  Video 8: Tag Styles in RSLogix5000: https://www.youtube.com/watch?v=8g8MHMsxONA&feature=youtu.be  Video 9: PLC_210_Module_1_Video on MEQ_022817: https://www.youtube.com/watch?v=X9B0M_nD5vI&feature=youtu.be | Estimated TOT **1.0 Hr.** | | |
| KAA | KAA for Module 1 | Estimated TOT **1 Hr.** | | Minimum of 80% |

| Lab Exercise | PLC210_Lab_Exercise_0_Project_Config_Review | Estimated TOT **1.5 Hr.** | | |
|---|---|---|---|---|
| Lab Exercise | PLC210 Lab 1 ControlLogix Data Comparison Instructions | Estimated TOT **1.5 Hr.** | | |
| Lab Exercise | PLC210 Lab 2 ControlLogix LIM Instruction | Estimated TOT **1.5 Hr.** | | |
| Hands-On Assessment | Hands-On Assessment for Module 1 | Estimated TOT **1 Hr.** | | 100% Demonstration |
| TOTAL | | **Approx. 13 Hrs** | 12-15 hours per week | |

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