

**NSF TUES DUE Type 2 Project:
Dissemination of Microprocessor Courses through Classroom and
Interactive Cyber-Enabled Technologies
Wayne State University Distance Training Workshop Schedule**

July 10-12, 2013

Midwest Region Workshop

8am – 5pm EASTERN Standard time

VIRTUAL CLASSROOM: You can logon as the “guest” and write your name.

https://connect.odu.edu/july10_workshop/

BREAKOUT CLASSROOMS:

https://connect.odu.edu/july10_asmbreak/

https://connect.odu.edu/july10_cbreak/

https://connect.odu.edu/july10_basbreak/

Log on to MOODLE to download necessary documents: The account has been set up for username as the first initial of the first name, followed by last name. The first letter of each name should be capitalized. The password is the same as your username, with a **1!** appended to the end. For example, if Joe Tester was selected as an example; his username is JTester, and his password is JTester1!

<http://moodle.engr.csufresno.edu/moodle/>

NSF TUES DUE Type 2 Project:



These materials are based on work supported by the National Science Foundation under grant number: DUE 1120000.

Dissemination of Microprocessor Courses through Classroom and Interactive Cyber-Enabled Technologies

Wayne State University Distance Training Workshop Schedule

Day 1: Wednesday: July 10, 2013

Page 1 of 3

Date/Time (EST)	Item/Topic	Presenter	Location
6/6/13, 8:00AM-9:00AM	Introduction to Workshop/ Distance Training/Tools/ Project/Rules/Assessment/ Stipends, Pre-Test	Adobe Connect – Jones Moodle Server – Yaprak/Reza Workshop Operations – Yaprak	Any Landline Internet
6/6/13, 9:00AM-10:00AM	PIC MCU Architecture	Hsiung	Any Landline Internet
6/6/13, 10:00AM-12:00PM	Course & Lab Module #1 : Header File, MPLAB Compilation, and PICkit2 Programming Exercises	Yaprak Subgroups: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/6/13, 12:00PM-1:00PM	Lunch Break	Yaprak	
6/6/13, 1:00PM-1:30PM	Assessment/ Stipends/Pre-Test Review of Learned Materials: Distance Tools, Course/Lab Module #1	Workshop Assessment – Ritz Yaprak	Any Landline Internet
6/6/13, 1:30PM-2:30PM	Course Module #2 : PIC Microcontroller Assembly Language Programming and MPLAB Simulation Exercises	Yaprak	Any Where Landline Internet
6/6/13, 2:30PM-3:30PM	Lab Module #2: PIC Microcontroller Assembly Language Programming and MPLAB Simulation Exercises	Yaprak Subgroups: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/6/13, 3:30PM-4:30PM	Course Module #3 : PIC Microcontroller Index Assembly Language Programming & MPLAB Simulation Exercises	Yaprak	Any Landline Internet
6/6/13, 4:30PM-5:00PM	Course and Lab Modules #1-#3 Group Discussions/ Suggestions	WSU: Yaprak ODU: Steve Hsiung, Richard Jones, John Ritz CSUF: Reza Raeisi BRCC: Jim Eiland TCC: Tom Stout, Richard Seriani	Any Landline Internet



These materials are based on work supported by the National Science Foundation under grant number: DUE 1120000.

NSF TUES DUE Type 2 Project:
Dissemination of Microprocessor Courses through Classroom and
Interactive Cyber-Enabled Technologies
Wayne State University Distance Training Workshop Schedule

Day 2: Thursday: July 11, 2013

Page 2 of 3

Date/Time (EST)	Item/Topic	Presenter	Location
6/7/13, 8:00AM-9:00AM	Lab Module #3: PIC Microcontroller Index Assembly Language	Yaprak ODU: Steve Hsiung Subgroups: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/7/13, 9:00AM-10:00AM	Course Module #4: PIC Microcontroller Index Assembly Language Programming & MPLAB Simulation Exercises	Yaprak	Any Landline Internet
6/7/13, 10:00AM-11:00AM	Lab Module #4: PIC Microcontroller Index Assembly Language Programming & MPLAB Simulation Exercises	Yaprak Subgroups: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/7/13, 11:00AM-12:00PM	Course Module #5: PIC Microcontroller I/O Controls Exercises	Eiland	Any Landline Internet
6/7/13, 12:00PM-1:00PM	Lunch Break	Yaprak	
6/7/13, 1:00PM-2:00PM	Lab Module #5: PIC Microcontroller I/O Controls Exercises	Yaprak Subgroups: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/7/13, 2:00PM-2:30PM	Review of Learned Materials: Course/Lab Modules #3-#5	Yaprak/Hsiung	Landline Internet
6/7/13, 2:30PM-3:30PM	Course Module #6: I/O Controls with Interrupts Applications	Jones	Any Landline Internet
6/7/13, 3:30PM-4:30PM	Lab Module #6: I/O Controls with Interrupts Applications	Yaprak Subgroup: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/7/13, 4:30PM-5:00PM	Course and Lab Modules #3-#6 Group Discussions/ Suggestions	WSU: Yaprak ODU: Steve Hsiung, Richard Jones, John Ritz CSUF: Reza Raeisi BRCC: Jim Eiland TCC: Tom Stout, Richard Seriani	Any Landline Internet



NSF TUES DUE Type 2 Project:
Dissemination of Microprocessor Courses through Classroom and
Interactive Cyber-Enabled Technologies
Wayne State University Distance Training Workshop Schedule

Day 3: Friday: July 12, 2013

Page 3 of 3

Date/Time (EST)	Item/Topic	Presenter	Location
6/8/13, 8:00AM-8:30AM	Review of Learned Materials: Course/Lab Modules #1-#6	Yaprak/Hsiung	Any Landline Internet
6/8/13, 8:30AM-10:00AM	Course Module #7 : I/O Controls with LCD Module Parallel Communications and Table Lookup	Stout	Any Landline Internet
6/8/13, 10:00AM-11:30PM	Lab Module #7: I/O Controls with LCD Module Parallel Communications and Table Lookup/Video Demos	Yaprak Subgroup: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/8/13, 11:30AM-12:00PM	Course Module #8 : Matrix Keypad Software Scanning, Debouncing & Decoding Design	Hsiung	Any Landline Internet
6/8/13, 12:00PM-1:00PM	Lunch Break	Yaprak	
6/8/13, 1:00AM-1:30PM	Review of Learned Materials: Course/Lab Modules #7	Yaprak/Hsiung	Any Landline Internet
6/8/13, 1:30PM-2:30PM	Course Module #8: Continue.....	Hsiung	Landline Internet
6/8/13, 2:30PM-4:00PM	Lab Module #8: Matrix Keypad Software Scanning, Debouncing & Decoding Design/Video Demos	Yaprak Subgroup: Assembly: Jones, Raeisi, Stout C: Seriani, Hsiung BASIC: Eiland, Deal	Any Landline Internet
6/8/13, 4:00PM-4:30PM	Course/Lab Modules #9 & #10 : Stepper & DC Motors Controls Introduction/Video Demos	Hsiung	Any Landline Internet
6/8/13, 4:30PM-5:00PM	Post-Test, Lab Project Group Discussions/Suggestions/Survey, Future on-line Meetings: Course Curriculum Review, Stepper Motor Module, DC Motor Module, Wireless RF Module via Moodle Server Forum and Listserve	WSU: Yaprak ODU: Steve Hsiung, Richard Jones, John Ritz CSUF: Reza Raeisi BRCC: Jim Eiland TCC: Tom Stout, Richard Seriani	Any Landline Internet

