NSF TUES DUE Type 2 Project:

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

Old Dominion University Distance Training Workshop Schedule

Day 1: Monday: June 17, 2013

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Day 1. Worlday.		Dragation Leading		
Date/Time (PST)	Item/Topic	Presenter	Location	
6/6/13, 8:00AM-9:00AM	Introduction to Workshop/	ODU: Steve Hsiung, Richard	Any	
	Distance Training/Tools/	Jones, & John Ritz	Landline	
	Project/Rules/Assessment/		Internet	
	Stipends, Pre-Test			
6/6/13, 9:00AM-10:00AM	PIC MCU Architecture	ODU: Steve Hsiung &	Any	
		Richard Jones	Landline	
			Internet	
6/6/13, 10:00AM-12:00PM	Course & Lab Module #1:	ODU: Steve Hsiung &	Any	
	Header File, MPLAB	Richard Jones	Landline	
	Compilation, and PICkit2	Subgroups:	Internet	
	Programming Exercises	CSUF: Reza Raeisi		
		WSU: Ece Yaprak		
		TCC: Tom Stout		
6/6/13, 12:00PM-1:00PM	Lunch Break	ODU: Steve Hsiung		
6/6/13, 1:00PM-1:30PM	Review of Learned	ODU: Steve Hsiung &	Any	
	Materials: Distance Tools,	Richard Jones	Landline	
	Course/Lab Module #1		Internet	
6/6/13, 1:30PM-2:30PM	Course Module #2: PIC	ODU: Steve Hsiung &	Any Where	
	Microcontroller Assembly	Richard Jones	Landline	
	Language Programming		Internet	
	and MPLAB Simulation			
	Exercises			
6/6/13, 2:30PM-3:30PM	Lab Module #2: PIC	ODU: Steve Hsiung &	Any	
	Microcontroller Assembly	Richard Jones	Landline	
	Language Programming	Subgroups:	Internet	
	and MPLAB Simulation	CSUF: Reza Raeisi		
	Exercises	WSU: Ece Yaprak		
		BRCC: Jim Eiland		
6/6/13, 3:30PM-4:30PM	Course Module #3: PIC	ODU: Steve Hsiung &	Any	
	Microcontroller Index	Richard Jones	Landline	
	Assembly Language		Internet	
	Programming & MPLAB			
	Simulation Exercises			
6/6/13, 4:30PM-5:00PM	Course and Lab Modules	CSUF: Reza Raeisi	Any	
	#1-#3 Group Discussions/	ODU: Steve Hsiung, Richard	Landline	
	Suggestions	Jones, John Ritz	Internet	
	Juggestions	WSU: Ece Yaprak		
		BRCC: Jim Eiland		
		TCC: Tom Stout, Richard		
		Seriani		
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Day 2: Tuesday: June 18, 2013

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	7. June 10, 2013		
Date/Time (PST)	Item/Topic	Presenter	Location
6/7/13, 8:00AM-9:00AM	Lab Module #3: PIC	ODU: Steve Hsiung &	Any
	Microcontroller Index	Richard Jones	Landline
	Assembly Language	Subgroups:	Internet
		CSUF: Reza Raeisi, WSU:	
		Ece Yaprak, TCC: Richard	
		Seriani	
6/7/13, 9:00AM-10:00AM	Course Module #4: PIC	ODU: Steve Hsiung &	Any
	Microcontroller Index	Richard Jones	Landline
	Assembly Language		Internet
	Programming & MPLAB		
	Simulation Exercises		
6/7/13, 10:00AM-11:00AM	Lab Module #4: PIC	ODU: Steve Hsiung &	Any
	Microcontroller Index	Richard Jones	Landline
	Assembly Language	Subgroups:	Internet
	Programming & MPLAB	CSUF: Reza Raeisi, WSU:	
	Simulation Exercises	Ece Yaprak, TCC: Tom Stout	
6/7/13, 11:00AM-12:00PM	Course Module #5: PIC	ODU: Steve Hsiung &	Any
	Microcontroller I/O Controls	Richard Jones	Landline
	Exercises		Internet
6/7/13, 12:00PM-1:00PM	Lunch Break	ODU: Steve Hsiung	
6/7/13, 1:00PM-2:00PM	Lab Module #5: PIC	ODU: Steve Hsiung &	Any
	Microcontroller I/O Controls	Richard Jones	Landline
	Exercises	Subgroups:	Internet
		CSUF: Reza Raeisi, WSU:	
		Ece Yaprak, BRCC: Jim	
		Eiland	
6/7/13, 2:00PM-2:30PM	Review of Learned Materials:	ODU: Steve Hsiung &	Landline
	Course/Lab Modules #3-#5	Richard Jones	Internet
6/7/13, 2:30PM-3:30PM	Course Module #6: I/O	ODU: Steve Hsiung &	Any
	Controls with Interrupts	Richard Jones	Landline
	Applications		Internet
6/7/13, 3:30PM-4:30PM	Lab Module #6: I/O Controls	ODU: Steve Hsiung &	Any
	with Interrupts Applications	Richard Jones	Landline
		Subgroup:	Internet
		CSUF: Reza Raeisi, WSU:	
		Ece Yaprak, TCC: Richard	
		Seriani	
6/7/13, 4:30PM-5:00PM	Course and Lab Modules #3-	CSUF: Reza Raeisi, ODU:	Any
	#6 Group Discussions/	Steve Hsiung, Richard Jones,	Landline
	Suggestions	John Ritz, WSU: Ece Yaprak,	Internet
		BRCC: Jim Eiland, TCC: Tom	
		Stout, Richard Seriani	
		Olout, Monard Schain	



NSF TUES DUE Type 2 Project:

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

Old Dominion University Distance Training Workshop Schedule

Day 3: Wednesday: June 19, 2013

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Date/Time (PST)		Presenter	Locatio
Date/Time (PST)	Item/Topic	Presenter	n
6/8/13, 8:00AM-8:30AM	Review of Learned Materials:	ODU: Steve Hsiung & Richard	Any
5/5/ 10, 0.00/ un 0.00/ un	Course/Lab Modules #1-#6	Jones	Landline
	Course/Lab Modules #1-#0	Volles	Internet
6/8/13, 8:30AM-10:00AM	Course Module #7: I/O	ODU: Steve Hsiung & Richard	Any
	Controls with LCD Module	Jones	Landline
	Parallel Communications and	30.103	Internet
	Table Lookup		interrior
6/8/13, 10:00AM-11:30PM	Lab Module #7: I/O Controls	ODU: Steve Hsiung & Richard	Any
	with LCD Module Parallel	Jones	Landline
	Communications and Table	Subgroup:	Internet
	Lookup/Video Demos	CSUF: Reza Raeisi, WSU: Ece	
	Zeekap, video Zeilleo	Yaprak, TCC: Tom Stout	
6/8/13, 11:30AM-12:00PM	Course Module #8: Matrix	ODU: Steve Hsiung & Richard	Any
·	Keypad Software Scanning,	Jones	Landline
	Debouncing & Decoding		Internet
	Design		
6/8/13, 12:00PM-1:00PM	Lunch Break	ODU: Steve Hsiung	
6/8/13, 1:00AM-1:30PM	Review of Learned Materials:	ODU: Steve Hsiung & Richard	Any
	Course/Lab Modules #7	Jones	Landline
			Internet
6/8/13, 1:30PM-2:30PM	Course Module #8:	ODU: Steve Hsiung & Richard	Landline
	Continue	Jones	Internet
6/8/13, 2:30PM-4:00PM	Lab Module #8: Matrix	ODU: Steve Hsiung & Richard	Any
	Keypad Software Scanning,	Jones	Landline
	Debouncing & Decoding	Subgroup:	Internet
	Design/Video Demos	CSUF: Reza Raeisi, WSU: Ece	
		Yaprak, BRCC: Jim Eiland	
6/8/13, 4:00PM-4:30PM	Course/Lab Modules #9 &	ODU: Steve Hsiung & Richard	Any
	#10: Stepper & DC Motors	Jones	Landline
	Controls Introduction/Video		Internet
	Demos		
6/8/13, 4:30PM-5:00PM	Post-Test, Lab Project	CSUF: Reza Raeisi, ODU:	Any
	GroupDiscussions/Suggestion	Steve Hsiung, Richard Jones,	Landline
	s/Survey, Future on-line	John Ritz, WSU: Ece Yaprak,	Internet
	Meetings: Course Curriculum	BRCC: Jim Eiland, TCC: Tom	
	Review, Stepper Motor	Stout, Richard Seriani	
	Module, DC Motor Module,		
	Wireless RF Module via		
	Moodle Server Forum and		
	Listserve		



