

TA Responsibilities

Expectations:

1. Be familiar with the Xilinx Vivado & Foundation Tools.
2. Be familiar with the Digilent FPGA Boards (NEXYS-3, NEXYS A7).
3. Be familiar with Chapters 1 through 8 of Mano 3rd Edition.
4. **Perform** the four Xilinx Foundation Tutorials found on my web page in the lab section (general info).
5. Supervise the labs on designated days.
6. Perform the labs assigned to the students at least one week before the students start their labs.
7. Read the lab assignments and inform if of any inconsistencies or mistakes.
8. Check all the groups for their preparation before starting the lab and make note of it (this will help later on in assigning a grade to the students).
9. All labs should be marked out of twenty five (25).
10. Read the homework assignments and point out any mistakes before handing them to the students.
11. Prepare Solutions for the Assignments.
12. Check the web page of the course and give me feedback about problems to links and missing information.
13. Allocate an hour a week for students as office hours starting from week #2.
14. Prepare spreadsheet for students grades.
15. Assist in marking the midterm exam and final exam.
16. Assist in marking the quizz (2 quizzes).
17. When a student sends you an email regarding a question and you respond to him/her then please copy me in the email.

Hours Allocated for Each Week					
Week	Date	Topic	Responsibility	A.S	A.E
#1	Sep 14 Sep 15	Lab#0	Familiarize students with Equipment and WEB page Contents	3 hr	3 hr
#2	Sep 21 Sep 22	Lab#1	Assist students with FPGA Board and accomplishing a simple design	7 hr	7 hr
#3	Sep 28 Sep 29	Lab#2	Assist students understand Xilinx Foundation Tools (Lab#2)	7 hr	7 hr
			Mark Lab1 and hand back to students	5 hr	5 hr
	Sep 30	Quiz#1	Mark Quiz #1	3 hr	3 hr
#4	Oct 05 Oct 06	Lab#3	Help students complete Lab#3	5 hr	5 hr
			Mark Lab2 and hand back to students	5 hr	5 hr
	Oct 07	Quiz#2	Mark Quiz #2	4 hr	4 hr
#5	Oct 12	VHDL	VHDL Tutorial (Section 0102)	4 hr	4 hr
	Oct 13	Tutorial	VHDL Tutorial (Section 0103)	4 hr	4 hr
			Mark Lab3 and hand back to students	5 hr	5 hr
#6	Oct 19 Oct 20	Lab#4	Assist students in Lab#4	6 hr	6 hr
#6	Oct 21	Midterm	Assist in Proctoring Exam	2 hr	2 hr
	Oct 22		Assist me in marking the exam	5 hr	5 hr
	Oct 24		Mark Lab4 and hand back to students	5 hr	5 hr
#7	Oct 26 Oct 27	Lab#5	Assist students in Lab#5	6 hr	6 hr
#8	Nov 2 Nov 3	Lab#6	Assist students in Lab#6	6 hr	6 hr
			Mark Lab5 and handback to students	5 hr	5 hr
#10	Nov 16 Nov 17	Lab#7	Assist students in Lab#7	5 hr	5 hr
	Nov 18		Mark Lab6 and hand back to students	6 hr	6 hr
#11	Nov 25	Quiz#2	Mark Quiz #2	4 hr	4 hr
	Nov 25		Mark Lab7 and hand back to students	6 hr	6 hr
#12	Nov 28	–	–	–	–
#13	Dec 05	FinalExam	Help Proctor the Final Exam.	3 hr	3 hr
#13	Dec 05		Assist me in marking the exam	10 hr	10 hr
#1-#12		Office Hours	Assist Students with Questions	11 hr	11 hr
#1-#12		Lab Prep	Preparation for Misc Labs	3 hr	3 hr
#1-#12		Misc	Lectures; marking; review; e.t.c	8 hr	8 hr
#1-#14			TOTAL # HOURS	140/140hr	140/140 hr