

Course Outline - Summer School - 12 weeks

2017

This outline provides an overview of the course and assignments by week. Please remember to check the course modules calendar for specific due dates.

Each course module runs for a period of seven (7) days, i.e., one week. Due dates for readings and other assignments are referred to by the day of the module week in which they are due. For example, if a reading assignment is to be completed by Day 3 and the module started on Wednesday, then the reading assignment should be completed by Friday or the 3rd day of the module.

Module	Dates	Topics	Assignments
Module 1	Wed 05/31/17– Tue 06/06/17	Computer Organization: Introduction, Overview, History	Patterson, Chapter 1, Sections 1-6, 12 Hardware Comparison PDF <ul style="list-style-type: none">Module 1 AssignmentModule 1 Discussion
Module 2	Wed 06/07/17– Tue 06/13/17	Negative and other Numbers	Patterson, Chapter 2, Section 4 Patterson, Chapter 3, Sections 1-5 <ul style="list-style-type: none">Module 2 AssignmentModule 2 Discussion
Module 3	Wed 06/14/17– Tue 06/20/17	MIPS and Assembly Language	Patterson, Chapter 2, Sections 1-3 & 5-7 <ul style="list-style-type: none">Module 3 AssignmentModule 3 Discussion
Module 4	Wed 06/21/17– Tue 06/27/17	Assembler Design	Patterson, Chapter 2, pp. 123-126 Appendix A, Sections 1 & 2 Assembler Information PDF <ul style="list-style-type: none">Module 4 AssignmentModule 4 Discussion
Module 5	Wed 06/28/17– Tue 07/04/17	MIPS and Assembly Language; Part Two Control Structures SPIM – MIPS Assembler	Patterson, Chapter 2, Sections 1-3 & 5-9 <ul style="list-style-type: none">Module 5 AssignmentModule 5 Discussion Patterson, Appendix A, Section 9 SPIM Tutorials, “Getting Started with PCSpim” & “SPIM Command Line Options” (Online textbook web site)
Module 6	Wed 07/05/17– Tue 07/11/17	Programming Exercise - Lottery Odds	Patterson, Review previously assigned chapters <ul style="list-style-type: none">Module 6 Assignment - LotteryOdds

Module	Dates	Topics	Assignments
Module 7	Wed 07/12/17– Tue 07/18/17	Programming Exercise - Rome to Arabia	Patterson, Review previously assigned chapters <ul style="list-style-type: none"> Module7 Assignment - Rome2Arabia
Module 8	Wed 07/19/17– Tue 07/25/17	Compiler – Part One	Patterson, Chapter 2, Sections 15 & 20 <ul style="list-style-type: none"> Module 8 Assignment Module 8 Discussion
Module 9	Wed 07/26/17– Tue 08/01/17	Compiler – Part Two	Patterson, Chapter 2, Sections 15 & 20 Compiler Notes PDF <ul style="list-style-type: none"> Module 9 Assignment Module 9 Discussion
Module 10	Wed 07/02/17– Tue 08/08/17	Linker - Loader Operating Systems – Part One	Patterson, Chapter 2, pp. 126 - 131 Appendix A, Sections 3 & 4 Link Loader Information PDF <ul style="list-style-type: none"> Module 10 Assignment Module 10 Discussion Patterson, Chapter 5 Section 11
Module 11	Wed 08/09/17– Tue 08/15/17	Operating Systems – Part Two	Patterson, Chapter 5 Section 17 <ul style="list-style-type: none"> Module 11 Discussion
Module 12	Wed 08/16/17– Mon 08/21/17 Short week !	Final Exam	Patterson, Review all previously assigned readings <ul style="list-style-type: none"> Review lecture Final Exam