Course Schedule

Week/Section	Release (18:00, UTC*)	Sub-Section Topic	Suggested Readings from Patt and Patel (P&P) and Harris and Harris (H&H)	Assignments and Suggested Due Dates (All Check Your Understanding (CYU), Homework and Labs are due at 18:00 UTC on 05/12/15)
Week One: Introduction	Week 1 03/10/15	Introduction	P&P Chapter 1 and Optional Interviews	Nothing due
Weeks One-Three: Digital Logic	Week 1 03/10/15	Numbers	P&P Chapter 2	CYU and Homework 03/16/15
	Week 1 03/10/15	Operations	P&P Chapter 2	CYU and Homework 03/16/15

	Week 2 03/17/15	Transistors and Gates	P&P Chapter 3	CYU, Homework and Labs 03/23/15
	Week 2 03/17/15	Muxes and Decoders	P&P Chapter 3	CYU and Labs 03/23/15
	Week 2 03/17/15	Adders	P&P Chapter 3	CYU and Labs 03/23/15
	Week 3 03/24/15	Storage	P&P Chapter 3	CYU, Homework and Labs 03/30/15
	Week 3 03/24/15	Finite State Machine	P&P Chapter 3	CYU, Homework and Labs 03/30/15
Weeks Four-Five: Computer Organization	Week 4 03/31/15	Stored Program Computer	P&P Chapter 4 and Optional Interviews	CYU and Homework 04/06/15

Week 4 03/31/15	LC-3 Instructions	P&P Chapter 4 and Appendices A and C	CYU and Homework 04/06/15
Week 4 03/31/15	LC-3	P&P Chapter 5 and Appendix C	CYU and Labs 04/06/15
Week 5 04/7/15	Instruction Set Architecture	P&P Chapter 5 and Appendix A	CYU, Homework and Labs 04/13/15
Week 5 04/7/15	ISA 2	P&P Chapter 5, Optional Interviews and Appendix A	CYU, Homework and Labs 04/13/15
Week 5 04/7/15	ARM ISA	None	CYU and Homework 04/13/15
Week 5 04/7/15	LC-3 Control	P&P Chapter 5, Optional Interviews and Appendix C	CYU, Homework and Labs 04/13/15

Week Six: Programming	Week 6 04/14/15	Programming to Solve Problems	P&P Chapter 6	CYU, Homework and Labs 04/20/15
	Week 6 04/14/15	Assembly Language	P&P Chapter 7	CYU, Homework and Labs 04/20/15
	Week 6 04/14/15	Input/Output (I/O)	P&P Chapter 8	CYU and Homework 04/20/15
	Week 6 04/14/15	C Programming	P&P Chapters 11-13 and Appendix D	CYU and Homework 04/20/15
Weeks Seven-Eight: Performance	Week 7 04/21/15	Performance	H&H Chapter 7	CYU and Homework 04/27/15
	Week 7 04/21/15	Pipelining	H&H Chapter 7	CYU and Homework 04/27/15

Week 7 04/21/15	Hazards	H&H Chapter 7	CYU and Homework 04/27/15
Week 7 04/21/15	Instruction Level Parallelism	H&H Chapter 7	CYU and Homework 04/27/15
Week 7 04/21/15	Thread Level Parallelism	H&H Chapter 7 and Optional Interviews	CYU and Homework 04/27/15
Week 7 04/21/15	Data Level Parallelism	H&H Chapter 7 and Optional Interviews	CYU and Homework 04/27/15
Week 8 04/28/15	Caches	H&H Chapter 8	CYU, Homework and Labs 05/04/15
Week 8 04/28/15	Multicore	H&H Chapter 7 and Optional Interviews	CYU and Homework 05/04/15

	Week 8 04/28/15	Permanent Storage	H&H Chapter 8	CYU and Homework 05/04/15
Week Eight: Snapdragon and Conclusion	Week 8 04/28/15	Snapdragon	Optional Interviews	Nothing due
	Week 8 04/28/15	Conclusion	Optional Interviews	Nothing due