COMP 3050-201 Computer Architecture
Spring 2019 Class Schedule
Updated 2/18/19
(Subject to change – due dates on the assignments prevail)

January 28
ch 2, Integer Representation, Floating Point Representation, review on-line floating point slides (Floating_Point.pdf), read ch2.4 to end of ch 2, complete ch 2, read Mic1 handout
Assign #1 handed out (due 2/6)

February 4
Mic1 Machine Architecture, read Mic1 handout and examples, Mic1 Assembly Level Programming, Mic1 Microcode Instruction Architecture and examples
Assign #2 handed out (due 2/14)

February 11
Mic1 Microcode Instruction Implementation, Using the **mcc** Tool
Assign #3 handed out (due 2/21)

February 19 (Class meets on Tuesday due to Presidents' Day)
Mic1 Adding New Microcode Instructions, examples, Mic1 Implementing new machine level instructions and updating assembler support. Mic1 Integrating all the pieces.
Assign #4 handed out (due ~~3/13~~ 3/20)

February 25
Mic-1 UART organization and serial port programming and assignment #5 IO
Review for exam #1, ch 2 and Mic1 material

March 4
EXAM #1 on ch 2 and Mic1 material to date

Spring Recess

March 18
Review exam #1, read ch 7 on Linkers, 7.1 – 7.5
Introduction to linkers, ch 7 Symbol Tables, read ch7.6, Linkers**,** ch 7 Relocation, read 7.7
Assign #5 handed out (due 4/3)

March 25
Assignment #6 code examples, ch 7 Executables, read ch 7.8 - 7.10, Dynamic Linking, ch 7 Shared Libraries, read 7.11

April 1
Review for exam #2, Exceptional Control Flow
Assign #6 handed out (due 4/21)

April 8
EXAM #2 on ch 7 and 8, and Mic1 IO
Read ch8.1-8.2, Exceptions and Processes, assignment #7 details and examples, ch 8
Processes and Threads, read ch 8.3 – 8.4

April 9 – Withdraw deadline (with a "W")

April 19 (Class meets on Friday due to Patriot's Day)
Review exam #2, Process Attributes and Control, Finish Processes, finish ch 8, Review ch 8
read ch 6, Locality, read ch6.2 – 6.3, Layered Memory, read ch6.4.1 – 6.4.3,
read ch 6 Cache Organizations, read ch6.4.4 – 6.4.7

April 22
Memory hierarchy and Cache organizations, review ch 6, read ch6.5 – 6.6
Finish ch 6 and cache models, cache examples,
Assign #7 handed out (due 5/1)

April 29
Wrap up. Last class day, review for final

May 2 Thursday - No Class - Last day of the semester
Last chance to submit assignments #6 and/or #7… assignment submission queues close at midnight (11:59:59 PM) tonight. No exceptions!

May 6 (6:30-9:30 pm)
Final exam - ch 2, 6, 7, 8 and Assign #1 through Assign #7