Parallel Computer Architecture – Updated Schedule (Fall 2020)

Week 1: Introduction + Power Consumption (8-9 Oct)
Week 2: Superscalar Architectures, Scoreboarding (15-16 Oct)
    Reading Assignment 1 Announced (16 Oct)
Week 3: Tomasulo & Reorder Buffer (22-23 Oct)
    No classes on 29-30 Oct
    Simulation Project 1 Announced (28 Oct)
    Reading Assignment 1 Due Date (30 Oct)
Week 4: Recitation, Multiple Issue, Memory Accesses (5-6 Nov)
Week 5: Branch Prediction and Speculative Execution (12-13 Nov)
    Reading Assignment 2 Announced (13 Nov)
Week 6: Memory Dependences, Putting It All Together (19-20 Nov)
    Simulation Project 1 Due Date (20 Nov)
Week 7: VLIW architectures & Multithreading & MIMD (26-27 Nov)
    Midterm examination (23-27 Nov)
Week 8: Parallel Programming, Performance Modelling, SIMD (3-4 Dec)
    Reading Assignment 2 Due Date (4 Dec)
    Presentation Topics for CS58003 Students Announced (4 Dec)
Week 9: Cache Coherence (10-11 Dec)
    Simulation Project 2 Announced (11 Dec)
Week 10: Memory Consistency, GPUs, Systolic Arrays (17-18 Dec)
Week 11: Recitation & 58003 Presentations (24-25 Dec)
Week 12: Interconnection Networks (31 Dec), No classes (1 Jan)
Week 13: Recitation & 58003 Presentations (7-8 Jan)
    Simulation Project 2 Due Date (8 Jan)
Final Examination – Written (21 Jan, 09:00-12:00)