

ECE 461/561 Monday	Tuesday	ECE 461/561 Wednesday	Thursday	Friday
1 1/6/2025 1: Welcome and Course Overview	1 1/7/2025	2 1/8/2025 2: XOC - ARM ISA and Cortex-M0+ (1-4)	2 1/9/2025	1/10/2025
3 1/13/2025 3: XOC - ARM ISA and Cortex-M0+ (5), How C Code is Really Implemented (1)	3 1/14/2025	4 1/15/2025 4: XOC - How C Code is Really Implemented (2-3)	4 1/16/2025	1/17/2025
4 1/20/2025 MLK Jr. Day	5 1/21/2025	5 1/22/2025 5: XOC - How C Code is Really Implemented (4-6), XOC - Without Getting Lost (1)	6 1/23/2025	1/24/2025
6 1/27/2025 6: XOC - Without Getting Lost (2)	7 1/28/2025	7 1/29/2025 7: Speed - Analysis (1-2) Thinking about Optimization	8 1/30/2025	1/31/2025
8 2/3/2025 8: Speed - Analysis (3-4) Profiling, Speed - Opt. 1 - Low-Level Optimizations	9 2/4/2025	9 2/5/2025 9: Speed - Opt. 2 - Low-Level Optimizations ESO HW1	10 2/6/2025	2/7/2025
10 2/10/2025 10: Speed - Opt. 6a - Shield Optimizations (LCD, Text), Opt. 4a/b - Numerical Approximations	10 2/11/2025 Wellness Day	11 2/12/2025 11: Speed - Opt. 5 - Native Integer and Fixed-Point Math	11 2/13/2025	2/14/2025
12 2/17/2025 12: Speed - Opt. 3 - Better Data Organization, Speed - Opt. 7 - M0+ vs. M4F	12 2/18/2025	13 2/19/2025 13: Snow Day: Speed - Opt. 8 - SIMD and DSP, Opt. 6b - Shield Optimizations (LCD SIMD Pixel Formatting)	13 2/20/2025	2/21/2025
14 2/24/2025 14: Speed Wrap; Responsiveness - Brief Intro: Concurrency and Synchronization	14 2/25/2025	15 2/26/2025 15: Responsiveness - Analyzing Responsiveness (1-2)	15 2/27/2025	2/28/2025 ESO HW2
16 3/3/2025 16: Responsiveness - Analyzing Responsiveness (3), Advanced Responsiveness (1)	16 3/4/2025	17 3/5/2025 17: Responsiveness - Advanced Responsiveness (2-3)	17 3/6/2025	3/7/2025
17 3/10/2025 Spring Break	17 3/11/2025 Spring Break	17 3/12/2025 Spring Break	17 3/13/2025 Spring Break	3/14/2025 Spring Break
18 3/17/2025 18: Responsiveness Review, Q&A	18 3/18/2025	19 3/19/2025 19: P & E - Analysis (1-2)	19 3/20/2025	3/21/2025
20 3/24/2025 20: P & E - Features (1-2)	20 3/25/2025	21 3/26/2025 21: P & E - Optimization (1) ESO HW3	21 3/27/2025	3/28/2025
22 3/31/2025 22: P & E - Optimization (2-3)	22 4/1/2025	23 4/2/2025 23: Buffer	23 4/3/2025	4/4/2025
24 4/7/2025 24: Buffer	24 4/8/2025	25 4/9/2025 25: Memory Size - Analysis (1) ESO HW4	25 4/10/2025	4/11/2025
26 4/14/2025 26: Memory Size - Analysis (2), Optimization (1)	26 4/15/2025	27 4/16/2025 27: Buffer	27 4/17/2025	4/18/2025
28 4/21/2025 28: Class Summary	28 4/22/2025	4/23/2025 Reading Day	4/24/2025	4/25/2025 461/561 Final Exam
4/28/2025	4/29/2025	4/30/2025	5/1/2025	5/2/2025 Grades Due