CS553: Agenda (tentative, subject to changes)

- Week 1: Introduction to trends in computing (software, hardware)
- Week 2: evaluation lab I, intro to performance measurement of a C program
- Week 3: no class (instructor on travel).
- Week 4: presentation of homework 1, SIMD vectorization, roofline model
- Week 5: SIMD vectorization
- Week 6: homework 1 correction, presentation of homework 2, OpenMP.
- Week 7: OpenMP parallelization
- Week 8: midterm preparation/review, midterm.
- Week 9: midterm and homework 2 correction, presentation of homework 3, Profiling
- Week 10: Profiling tools, hardware performance counters, performance analysis
- Week 11: Loop nest optimizations
- Week 12: TBD
- Week 13: TBD
- Week 14: no class (Thanksgiving)
- Week 15: TBD
- Week 16: Final exam preparation, review of material, evaluation lab II
- Week 17: Final exam Tuesday Dec. 11, 6:20pm in CSB425