# EECS 583: Advanced Compilers

## Fall 2019 Class Schedule (Tentative)

| Week | Date | Topic |
|---|---|---|
| 1 | Sept 4 | Course intro, Control flow analysis, **HW #0 out** |
| 2 | Sept 9 | Control flow analysis |
| | Sept 11 | Control flow analysis, **HW #0 due, HW #1 out** |
| 3 | Sept 16 | Control flow analysis |
| | Sept 18 | Dataflow analysis |
| 4 | Sept 23 | Dataflow analysis + optimization, **HW #1 due** |
| | Sept 25 | SSA form, **HW #2 out** |
| 5 | Sept 30 | Dataflow analysis + optimization |
| | Oct 2 | Code generation |
| 6 | Oct 7 | Code generation |
| | Oct 9 | Code generation, **HW #2 due** |
| 7 | Oct 14 | No class – Fall Break |
| | Oct 16 | Code generation |
| 8 | Oct 21 | No regular class - Project proposals |
| | Oct 23 | No regular class - Project proposals |
| 9 | Oct 28 | Code generation |
| | Oct 30 | Advanced topics – Auto Parallelization |
| 10 | Nov 4 | Advanced topics - TBD |
| | Nov 6 | **Midterm Exam – in class** |
| 11 | Nov 11 | Research paper presentations |
| | Nov 13 | Research paper presentations |
| 12 | Nov 18 | Research paper presentations |
| | Nov 20 | Research paper presentations |
| 13 | Nov 25 | Research paper presentations |
| | Nov 27 | Research paper presentations |
| 14 | Dec 2 | Research paper presentations |
| | Dec 4 | Research paper presentations |
| 15 | Dec 11-17 | Project demos |