**6.035 AT A GLANCE: SPRING TERM, 2011 (TENTATIVE)**

| **Week of Monday** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** |
| --- | --- | --- | --- | --- |
| **1/31** | **Lecture room: 36-156** | **L1:** Course administration information and overview | **L2:** Regular Expressions, Language Specification by Formal Grammars  **P1**: Scanner/Parser Assigned | **R1**: Project Information Session |
| **2/07** | **L3**: Bottom-up parsing | **L4**: Top-down parsing |  |  |
| **2/14** | **L5**: Intermediate Representations  **P1**: Scanner/Parser Project Due | **L6**: Semantic Analysis | **R2**:Project Information Session |  |
| **P2**: Semantic Checker Project Assigned |  |
| **2/21** | *Presidents Day* |  |  |  |
| **2/28** | **P2**: Semantic Checker Project Due | **L7**: Unoptimized Code Generation | **R3**: Project Information Session | L8: Unoptimized Code Generation |
| **P3**: Code Generator Project Assigned |
| **3/07** | Q1: In-class Quiz |  | **P3**: Code Generation Project Design Due |  |
| **3/14** |  | P3: Code Generator Project Due | **L9**: Introduction to Program Analysis | **R4:** Project Information Session |
| P4: Data-flow Analysis Project Assigned |
| **3/21** | *Spring Vacation* | *Spring Vacation* | *Spring Vacation* | *Spring Vacation* |
| **3/28** | **L10**:Data-flow Analysis | **L11**: Data-flow Optimizations | **L12**: Foundations of Data-flow Analysis | **P4:** Data-flow Analysis Project Due |
| **P5**: Optimizer Project Assigned |
| **4/04** | Q2: In-class Quiz | **L13**: Intro to Code Optimization | **L14**: Instruction Scheduling | **R5:** Project Information Session |
| **4/11** | **L15**: Instruction Optimization | **L16**: Register Allocation | **L17**: Parallelization | **L18**: Loop Optimization  **P5:** Optimizer Project Design Due |
| **4/18** | *Patriots Day* | *Patriots Day* |  |  |
| **4/25** | **L19:** Putting it all together | **L20:** Discussion of research topic in Compilers | **P5:** Optimizer Project Checkpoint Due |  |
| **5/02** | Q3: In-class Quiz |  |  |  |
| **5/09** |  |  | **P5**: Optimizer Project Due | **L21**: Compiler Derby |