This syllabus is *tentative* will undoubtedly change as the quarter progresses. If there is a topic you're interested in but not shown, please let me know; I may well change things to cover it. All readings are from the texts unless otherwise indicated. I will assign papers as the course progresses.

**Week 1:**
- **Dates:** Jan 4, Jan 6, Jan 8
- **Topics:** Reference monitor, access control matrix, safety question
- **Reading:** text, §2, 3–3.2, 20.1.2.2

**Week 2:**
- **Dates:** Jan 11, Jan 13, Jan 15
- **Topics:** Take-Grant Protection Model, security policies, confidentiality policies, Bell-LaPadula Model
- **Reading:** text, §3.3, 4, 5–5.2, A

**Week 3:**
- **Dates:** Jan 18, Jan 20, Jan 22 [Jan 18: Martin Luther King, Jr. Day (university holiday)]
- **Topics:** Bell-LaPadula Model, tranquility, System Z, integrity models
- **Reading:** text, §5, 6.1
- **Due:** Jan 22: homework 1; project selection

**Week 4:**
- **Dates:** Jan 25, Jan 27, Jan 29;
- **Topics:** Biba, Clark-Wilson, trust models, availability models
- **Reading:** text, §6.2, 6.4–6.5, 7

**Week 5:**
- **Dates:** Feb 1, Feb 3, Feb 5
- **Topics:** hybrid models, Chinese Wall Model, CISS model, ORCON, RBAC
- **Reading:** text, §8
- **Due:** Feb 5: homework 2

**Week 6:**
- **Dates:** Feb 8, Feb 10, Feb 12
- **Topics:** Basic policy composition, noninterference, unwinding theorem
- **Reading:** text, §9.1–9.2
- **Due:** Feb 12: project progress report

**Week 7:**
- **Dates:** Feb 15, Feb 17, Feb 19 [Feb 15: Presidents’ Day (university holiday)]
- **Topics:** Nondeducibility, restrictiveness, side channels, entropy
- **Reading:** text, §9.3–9.6, 17.1
- **Due:** Feb 19: homework 3

**Week 8:**
- **Dates:** Feb 22, Feb 24, Feb 26
- **Topics:** Information flow mechanisms, confinement problem
- **Reading:** text, §17, 18.1

**Week 9:**
- **Dates:** Mar 1, Mar 3, Mar 5
- **Topics:** Isolation, covert channel analysis
- **Reading:** §18.2–18.3

**Week 10:**
- **Dates:** Mar 8, Mar 10, Mar 12 [Mar 12 is last class]
- **Topics:** Principles of secure design, introduction to assurance
- **Reading:** §14, 19
- **Due:** Mar 12: homework 4

**Mar 18:**
- **Due:** Completed project due at 3:00pm