This syllabus is tentative and will undoubtedly continue to 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 text unless otherwise indicated.

**Week 1:**
- **Dates:** Sep 22, Sep 24
- **Lec 1–2 Topics:** Introduction, principles of secure design, threats and policies
- **Reading:** text, §1, 14

**Week 2:**
- **Dates:** Sep 27, Sep 29, Oct 1
- **Lec 3–5 Topics:** Basic policy models: Bell-LaPadula, Biba, Clark-Wilson
- **Reading:** text, §5.2.1–5.2.2, 5.3, 6.2, 6.4

**Week 3:**
- **Dates:** Oct 4, Oct 6, Oct 8
- **Lec 6–8 Topics:** Symmetric and public key cryptography
- **Reading:** text, §10
- **Due:** Oct 6: homework 1; Oct 8: project selection

**Week 4:**
- **Dates:** Oct 11, Oct 13, Oct 15
- **Lec 9–11 Topics:** Protocols, authentication
- **Reading:** text, §12.3, 12.5, 13

**Week 5:**
- **Dates:** Oct 18, Oct 20, Oct 22
- **Lec 12–14 Topics:** Access control mechanisms, confinement problem, reference monitor
- **Reading:** text, §16.1–16.3, 18.1–18.2, 20.1.2.2
- **Due:** Oct 20: homework 2

**Week 6:**
- **Dates:** Oct 25, Oct 27, Oct 29
- **Lec 15–16 Topics:** Confinement problem, vulnerabilities
- **Reading:** text, §18.2, 24.3–24.4
- **[No class on Oct 29]**

**Week 7:**
- **Dates:** Nov 1, Nov 3, Nov 5
- **Lec 17–19 Topics:** Penetration testing, malware
- **Reading:** text, §24.1–24.2, 23.1–23.6.1
- **Due:** Nov 5: progress report

**Week 8:**
- **Dates:** Nov 8, Nov 10, Nov 12
- **Lec 20–22 Topics:** Malware, network security, firewalls
- **Reading:** text, §23.6.2–23.7, 23.9, 17.6.2
- **Due:** Nov 8: homework 3

**Week 9:**
- **Dates:** Nov 15, Nov 17, Nov 19
- **Lec 23–25 Topics:** Intrusion detection, incident response, forensics
- **Reading:** §26.1–26.3, 27.1, 27.3–27.4
- **Due:** Nov 19: homework 4

**Week 10:**
- **Dates:** Nov 22, Nov 24, Nov 26
- **Lec 26–27 Topics:** Identity, anonymity, onion routing
- **Reading:** §15
- **[Nov 26 is Thanksgiving (a university holiday)]

**Week 11:**
- **Dates:** Nov 30, Dec 1, Dec 3
- **Lec 28–30 Topics:** Elections, other topics
- **Reading:** papers
- **Due:** Dec 3: homework 5
- **[Dec 3 is the last class]**

**Dec 7:**
- **Due:** Completed project due at 3:00pm