

## **CS162 (15 Winter) - Midterm 1 Study Guide**

The exam:

- 60 Minutes, 30 - 40 Questions
- Few Code deciphering questions
- Multiple Choice and True / False (60 / 40)

Study Recommendations: Practice review questions.

<b>Wk:</b>	<b>Assignment Examples:</b>	<b>Gladdis</b>	<b>Lecture Videos:</b>
1	Lab1,	7.11	1, 2, 3,
2	Lab2, Assn1	5.13, 7.14	Testing
3	Lab3,	5.11, 13	9, 10, 11
4	Lab4, Assn2	11	7, 8

Exam themes:

### **Classes:**

- Different variable types, identifier types
- Syntax, member functions / variables,
- Class relationships (is-a, has-a)
- Mutator / Accessor functions
- What's legal / not legal
- Public / Private data
- Encapsulation
- Constructors
- Inheritance

### **Other:**

- Object Oriented Design, Architecture and Programming
- Preprocessor directives and macros
- Software Design and Architecture
- Testing, Test Plans, Debugging
- General ideas of Algorithms
- Namespaces
- Data types