

# Object Oriented Programming I

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## *Syllabus Information*

### **CS 1811 - Object Oriented Programming I**

**Associated Term:** 2020/21 Academic Session

#### **Learning Objectives:**

This course teaches programming and object-orientation concepts. Students will learn about program basics (variables, types, scope, lifetimes), control flow (if-constructs, for-loops, while-loops), data structures (strings, sets, lists, trees), objects (classes and inheritance), exceptions (throwing and catching) and file I/O (streams, file reading and writing). **Learning Outcomes:** 1. Solve basic programming tasks; 2. Understand and use basic object-oriented concepts; 3. Familiarity with core elements of the Java API.

**Required Materials:** [Click here for the reading list system](#)

**Technical Requirements:** The total number of notional learning hours associated with course are 150. **These will normally be broken down as follows:** Lectures - 3 hours per week - 11 weeks - 33 hours Guided Independent Study - 117 hours **Formative**

**Assessment: Summative Assessment:** Programming Assignments (30 Hours) - 30% Quizzes (100 Minutes) - 10% Written exam (90 Minutes) - 60%