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](https://rhul.rl.talis.com/modules/cs1811.html)  **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% |