

<b>Week</b>	<b>CS362 Modules</b>	<b>Start Date</b>	<b>Assignments</b>
<b>1</b>	<b>Version control systems</b> <ul style="list-style-type: none"> <li>• Forks, Pull requests, Branching</li> <li>• Git, GitHub</li> </ul>	<b>24-Jun</b>	Assignment 1 VCS Quiz
<b>2</b>	<b>Software Testing Overview</b> <ul style="list-style-type: none"> <li>• Thinking about Testing</li> <li>• Maintenance and Source Control</li> <li>• Builds &amp; Static Analysis</li> <li>• Software Testing Methods: Kinds of Testing (Manual vs. Automated; Scripted vs. Exploratory; Unit Testing; Integration Testing; System Testing; Regression Testing; Black Box vs. White Box)</li> </ul>	<b>30-Jun</b>	Assignment 2
<b>3</b>	<b>Code Coverage</b> <ul style="list-style-type: none"> <li>• Coverage Metrics I</li> <li>• Coverage Metrics II</li> <li>• Using gcov</li> </ul>	<b>7-Jul</b>	Assignment 3 Code Coverage Quiz
<b>4</b>	<b>Types of Testing</b> <ul style="list-style-type: none"> <li>• Lessons Learned in Software Testing: Reporting Bugs and Working Well With Others</li> <li>• Lessons Learned in Software Testing: Planning and Strategy</li> <li>• Lessons Learned in Software Testing: The Testing Role</li> <li>• Lessons Learned in Software Testing: Thinking Like a Tester</li> <li>• Lessons Learned in Software Testing: Testing Techniques</li> <li>• Lessons Learned</li> </ul>	<b>14-Jul</b>	Unit Test Quiz  Final Project Part A
<b>5</b>	<b>Random Testing</b> <ul style="list-style-type: none"> <li>• Random Testing</li> <li>• Random Testing: Readings</li> </ul>	<b>21-Jul</b>	Assignment 4 Random Test Quiz Midterm
<b>6</b>	<b>Introduction to Debugging</b> <ul style="list-style-type: none"> <li>• Intro to Debuggers</li> <li>• Introduction to open source project</li> </ul>	<b>28-Jul</b>	Assignment 5 Final Project Part B Debugging Quiz
<b>7</b>	<b>Causality and Debugging</b> <ul style="list-style-type: none"> <li>• Causality and Localization I</li> <li>• Causality and Localization II</li> <li>• Agans' Rules for Debugging</li> <li>• Software Inspections</li> </ul>	<b>4-Aug</b>	Bug Report Quiz
<b>8</b>	<b>Types of Software Testing</b> <ul style="list-style-type: none"> <li>• Integration Testing</li> <li>• Regression Testing</li> <li>• Introduction to search based software Testing (SBST)</li> <li>• Test Driven Development (TDD)</li> <li>• Continuous Integration (CI)</li> </ul>	<b>11-Aug</b>	Extra Credit Quiz