<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Notes</th>
<th>Date</th>
<th>x</th>
<th>Topics</th>
<th>Homework</th>
<th>Due</th>
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<tbody>
<tr>
<td>1</td>
<td>Unix shell and commands</td>
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<td>1</td>
<td></td>
<td>Wed, Jan 4, 2017</td>
<td>Getting started</td>
<td>0: Startup</td>
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<td>6-Jan</td>
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<td>2</td>
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<td>Fri, Jan 6, 2017</td>
<td>x Linux shell and commands</td>
<td>1: Linux</td>
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<td>2</td>
<td>Unix shell programming &amp; Introduction to C</td>
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<td>3</td>
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<td>Mon, Jan 9, 2017</td>
<td>Linux shell and commands continued</td>
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<td>4</td>
<td></td>
<td>Tue, Jan 10, 2017</td>
<td>x Shell programming</td>
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<td>Wed, Jan 11, 2017</td>
<td>Shell programming (continued)</td>
<td>2: Shell</td>
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<td>5</td>
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<td>Fri, Jan 13, 2017</td>
<td>C programming</td>
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<tr>
<td>3</td>
<td>C programming, standard libraries, and gdb</td>
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<td>* Mon, Jan 16, 2017</td>
<td>MLK Day - No Class</td>
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<td>6,6x</td>
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<td>Tue, Jan 17, 2017</td>
<td>x Std. I/O library, OS interface</td>
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<td>6x,7</td>
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<td>Wed, Jan 18, 2017</td>
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<td>3: C</td>
<td>29-Jan</td>
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<td>12</td>
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<td>Fri, Jan 20, 2017</td>
<td></td>
<td>1</td>
<td>git</td>
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<td>4</td>
<td>C pointers, memory management, make, and searching the web (whew!)</td>
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<td>9,10</td>
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<td>Mon, Jan 23, 2017</td>
<td></td>
<td>1</td>
<td>Pointers, dynamic memory management</td>
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<td></td>
<td>- Tue, Jan 24, 2017</td>
<td></td>
<td>x</td>
<td>gdb and valgrind</td>
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<td>7,7x</td>
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<td>Wed, Jan 25, 2017</td>
<td></td>
<td>1</td>
<td>More C &amp; the Preprocessor</td>
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<td>8x-m</td>
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<td>Fri, Jan 27, 2017</td>
<td></td>
<td>1</td>
<td>make</td>
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<tr>
<td>5</td>
<td>TinySearchEngine: Crawler and Indexer</td>
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<td>13</td>
<td>Mon, Jan 30, 2017</td>
<td>Searching the web; design methodology</td>
<td>4: Crawler</td>
<td>7-Feb</td>
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<td>14</td>
<td>Tue, Jan 31, 2017</td>
<td>x TinySearchEngine: Crawler design</td>
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<td>15</td>
<td>Wed, Feb 1, 2017</td>
<td>TinySearchEngine: Coding &amp; debugging crawler</td>
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<td>17</td>
<td>Fri, Feb 3, 2017</td>
<td>The art of debugging</td>
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<tr>
<td>6</td>
<td>TinySearchEngine: Indexer design, debugging, &amp; documentation</td>
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<td>18</td>
<td>Mon, Feb 6, 2017</td>
<td>TinySearchEngine: Indexer design</td>
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<td>18</td>
<td>Tue, Feb 7, 2017</td>
<td>x Indexer Design (continued, if nec.)</td>
<td>5 Indexer</td>
<td>15-Feb</td>
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<tr>
<td>20</td>
<td>Wed, Feb 8, 2017</td>
<td>Testing, quality code, security, reliability</td>
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<td>21,22</td>
<td>Fri, Feb 10, 2017</td>
<td>Unit testing; building up a library</td>
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<tr>
<td>7</td>
<td>Testing, good coding skills, security, reliability, processes and threads</td>
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<td>23</td>
<td>Mon, Feb 13, 2017</td>
<td>Processes &amp; threads</td>
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<td>19</td>
<td>Tue, Feb 14, 2017</td>
<td>x Documentation</td>
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<td>24</td>
<td>Wed, Feb 15, 2017</td>
<td>Semaphores, shared memory, &amp; queues</td>
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<td>25</td>
<td>Fri, Feb 17, 2017</td>
<td>Socket Programming</td>
<td>6 Query</td>
<td>23-Feb</td>
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<tr>
<td>8</td>
<td>Project Kickoff, semaphores, shared memory, queues, and sockets</td>
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<td>P</td>
<td>Mon, Feb 20, 2017</td>
<td>Introduction to the project; teams</td>
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<td>P</td>
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<td>x Project teams meet in class</td>
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<td>P</td>
<td>Fri, Feb 24, 2017</td>
<td>Project development</td>
<td>Project</td>
<td>various</td>
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<td>9</td>
<td>Project Design reviews and Lab Time</td>
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<td>*</td>
<td>Mon, Feb 27, 2017</td>
<td>Teams meet 1-on-1 with Professor</td>
<td>Des. Doc</td>
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<td>*</td>
<td>Tue, Feb 28, 2017</td>
<td>x Teams meet 1-on-1 with Professor</td>
<td>Des. Doc</td>
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<td>*</td>
<td>Wed, Mar 1, 2017</td>
<td>Project development</td>
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<td>*</td>
<td>Fri, Mar 3, 2017</td>
<td>Project development</td>
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<tr>
<td>10</td>
<td>DEMO DAY, project recap, lessons learned, discussion</td>
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<td>*</td>
<td>Mon, Mar 6, 2017</td>
<td>Project reviews</td>
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<td>*</td>
<td>Tue, Mar 7, 2017</td>
<td>x Project reviews (if needed)</td>
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<td>*</td>
<td>Wed, Mar 8, 2017</td>
<td>Project reviews, &amp; class wrap-up</td>
<td>Proj Due</td>
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</tbody>
</table>

This schedule is subject to change, changes since previous version noted with '|' in topics column.