# IT 3110: Systems Design and Administration II OR Systems Automation

## Spring 2018 Schedule

<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
<th>Work Due</th>
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<tbody>
<tr>
<td>Jan 8</td>
<td>Course outline/restructure network</td>
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</tr>
<tr>
<td>Jan 10</td>
<td>Centralized Log Server /logrotate</td>
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<tr>
<td>Jan 12</td>
<td>DHCP</td>
<td>IT 3100 Restructure</td>
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<tr>
<td>Jan 15</td>
<td>MLK Day- No class</td>
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<tr>
<td>Jan 17</td>
<td>DHCP</td>
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<tr>
<td>Jan 19</td>
<td>NFS</td>
<td>Logger</td>
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<tr>
<td>Jan 22</td>
<td>Advanced DHCP (netboot)</td>
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<tr>
<td>Jan 24</td>
<td>Advanced DHCP (kickstart)</td>
<td>DHCP</td>
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<tr>
<td>Jan 26</td>
<td>Catch up?</td>
<td>NFS I</td>
</tr>
<tr>
<td>Jan 29</td>
<td>Exam I (Logger/NFS/DHCP)</td>
<td>DHCP 2</td>
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<tr>
<td>Jan 31</td>
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<td>Diskless Boot</td>
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<tr>
<td>Feb  2</td>
<td>Shell Review</td>
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<tr>
<td>Feb  5</td>
<td>Shell Review (stdin) and read2</td>
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<tr>
<td>Feb  7</td>
<td>Shell Review (variables)</td>
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<tr>
<td>Feb  9</td>
<td>Shell Logic and arithmetic</td>
<td>Bash on Windows</td>
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<td>Feb 12</td>
<td>AWK, SED - Read 7.10- 7.11</td>
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<td>Feb 14</td>
<td>REGEX review</td>
<td>Shell Script 1</td>
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<tr>
<td>Feb 16</td>
<td>Same</td>
<td>Shell Script 2</td>
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<td>Feb 19</td>
<td>Presidents Day no class</td>
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<tr>
<td>Feb 21</td>
<td>Additional Scripting</td>
<td>Shell Script 3</td>
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<td>Feb 23</td>
<td>Lab Day?</td>
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<td>Feb 26</td>
<td>Quick Shell</td>
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<td>Feb 28</td>
<td>Troubleshooting</td>
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<td>Mar 2</td>
<td>Test 2</td>
<td>Shell Script 4</td>
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<td>Mar 5</td>
<td>Automation with Ansible</td>
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<td>Mar 7</td>
<td>Ansible</td>
<td>Ansible 1</td>
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<td>Mar 9</td>
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<td>Mar 12-16</td>
<td>Spring Break (no classes)</td>
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<tr>
<td>Mar 19</td>
<td>Ansible</td>
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<tr>
<td>Mar 21</td>
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<td>Mar 28</td>
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<tr>
<td>Mar 30</td>
<td>Python</td>
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<td>Apr  2</td>
<td>Python</td>
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<td>Apr  4</td>
<td>Ansible/Python Exam</td>
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<td>Apr  9</td>
<td>Fog</td>
<td>Fog Server</td>
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<td>Apr 11</td>
<td>Salt Stack</td>
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<tr>
<td>Apr 13</td>
<td>Salt Stack</td>
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<td>Apr 16</td>
<td>Salt Stack</td>
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<td>Apr 18</td>
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<td>Salt 1</td>
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<td>Apr 20</td>
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<td>Salt Stack</td>
<td>Salt 2</td>
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<tr>
<td>Apr 25</td>
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Note: Extra Credit assignments can be found in the final project section.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>Apr 26</td>
<td>Reading day</td>
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<tr>
<td>Apr 30</td>
<td>Final Exam 11 am - 12:50 pm</td>
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<tr>
<td>May 4</td>
<td>Commencement</td>
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Class announcements may modify schedule from that listed above.