<table>
<thead>
<tr>
<th>WK</th>
<th>TOPICS</th>
<th>PAGES</th>
<th>CH</th>
<th>PROBLEMS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
<td>2-34</td>
<td>1</td>
<td>1.3; 1.13; 1.36; 1.61</td>
</tr>
<tr>
<td>2</td>
<td>Introduction to Conduction</td>
<td>51-73</td>
<td>2</td>
<td>2.11; 2.18; 2.21; 2.23</td>
</tr>
<tr>
<td>3</td>
<td>Steady conduction</td>
<td>87-126</td>
<td>3</td>
<td>3.11; 3.15; 3.39; 3.49</td>
</tr>
<tr>
<td>4</td>
<td>Fins, common shapes</td>
<td>126-149, 192-196</td>
<td>3, 4</td>
<td>3.106; 4.25a; 4.30; 4.31</td>
</tr>
<tr>
<td>5</td>
<td>Quiz 1 Transient Conduction, Lumped system</td>
<td>239-254</td>
<td>5</td>
<td>5.4; 5.5</td>
</tr>
<tr>
<td>6</td>
<td>Transient heat transfer in solids</td>
<td>254-280</td>
<td>5</td>
<td>5.31; 5.47; 5.64</td>
</tr>
<tr>
<td>7</td>
<td>Numerical methods, steady</td>
<td>196-219</td>
<td>4</td>
<td>4.37; 4.42; 4.44; 4.51</td>
</tr>
<tr>
<td>8</td>
<td>Numerical methods, Transient, Quiz 2</td>
<td>280-297</td>
<td>5</td>
<td>5.94; 5.106; 5.113a</td>
</tr>
<tr>
<td>9</td>
<td>Design Project introduction, Introduction to convection</td>
<td>325-332, 363-381</td>
<td>6, 7</td>
<td>6.29; 6.35; 7.20</td>
</tr>
<tr>
<td>10</td>
<td>Forced: external/internal flows</td>
<td>381-392, 433-453</td>
<td>7, 8</td>
<td>7.45; 7.49; 8.16a,b; 8.17</td>
</tr>
<tr>
<td>11</td>
<td>Natural convection Quiz 3</td>
<td>495-520</td>
<td>9</td>
<td>9.5; 9.16; 9.54; 9.59</td>
</tr>
<tr>
<td>12</td>
<td>Radiation</td>
<td>661-717</td>
<td>12</td>
<td>12.15; 12.20; 12.32a</td>
</tr>
<tr>
<td>13</td>
<td>Radiation, Project defense</td>
<td>747-771</td>
<td>13</td>
<td>12.44; 13.9a; 13.11a</td>
</tr>
<tr>
<td>14</td>
<td>Heat Exchangers</td>
<td>605-631</td>
<td>11</td>
<td>11.4; 11.10</td>
</tr>
<tr>
<td>15</td>
<td>Review</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Homework assignments can vary for different course sections

**Homework:** Solutions will be collected for grading once a week. Late submissions will be accepted only under special circumstances and the grade for late submissions will be automatically lowered.

**Grading:** Final grade will be given based on a maximum of 300 points:
- Three quizzes: 50 points each,
- Homework: 40 points
- Project (group)+ class performance: 20 points
- Final exam: 90 points