<table>
<thead>
<tr>
<th>Week</th>
<th>Sections</th>
<th>Topic</th>
<th>Lectures</th>
<th>OFB Text Reading</th>
<th>Sections</th>
<th>Topic</th>
<th>Lectures</th>
<th>OFB Text Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E1, E2</td>
<td>Course &amp; Lab Introduction</td>
<td>Chapter 1 &amp; Appendices A-C</td>
<td>No Lab</td>
<td>E1, E2</td>
<td>Meet TAs, discuss Labs, recitations, etc.</td>
<td>No Lab</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>E1, E2</td>
<td>The Atomic Nature of Matter</td>
<td>Chapter 2</td>
<td>Lab</td>
<td>OFB 1 &amp; 2</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>E1, E2</td>
<td>Biotechnology &amp; Formation of Simple Compounds</td>
<td>Chapter 3</td>
<td>Lab</td>
<td>OFB 1 &amp; 2</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>E1, E2</td>
<td>Types of Chemical Reactions</td>
<td>Chapter 4</td>
<td>Lab</td>
<td>OFB 3 &amp; 4</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>E1, E2</td>
<td>Condensed Phases and Phase Transitions</td>
<td>Chapter 5</td>
<td>Lab</td>
<td>OFB 5 &amp; 6</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>E1, E2</td>
<td>The Gaseous State</td>
<td>Chapter 6</td>
<td>Lab</td>
<td>OFB 7 &amp; 8</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>E1, E2</td>
<td>Thermochemistry</td>
<td>Chapter 7</td>
<td>Lab</td>
<td>OFB 9 &amp; 10</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>E1, E2</td>
<td>Review &amp; Spontaneous Change and Equilibrium</td>
<td>Chapter 8</td>
<td>Lab</td>
<td>OFB 11 &amp; 12</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>E1, E2</td>
<td>Redox reactions and Electrochemistry</td>
<td>Chapter 9</td>
<td>Lab</td>
<td>OFB 13 &amp; 14</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>E1, E2</td>
<td>Electrochemistry and Cell Voltage</td>
<td>Chapter 10</td>
<td>Lab</td>
<td>OFB 15 &amp; 16</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>E1, E2</td>
<td>Chemical Kinetics</td>
<td>Chapter 11</td>
<td>Lab</td>
<td>OFB 17, don't turn in</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>E1, E2</td>
<td>Review Quantum Mechanics &amp; the Hydrogen Atom</td>
<td>Chapter 12</td>
<td>Lab</td>
<td>OFB 18</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>E1, E2</td>
<td>Many-Electron Atoms and chemical Bonding</td>
<td>Chapter 13</td>
<td>Lab</td>
<td>Exam 16</td>
<td>Lab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>E1, E2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Homework Assignments, due at Recitation

#### Problems for Homework

- **OFB 1:** #9, 10, 11, 17, 19, 20, 29, 37, 38, 55, 68
- **OFB 2:** #2, 5, 33, 42, 43, 44, 81
- **OFB 3:** #8, 9, 18, 34, 45, 57, 59, 60, 69, 70
- **OFB 4:** #1, 6, 12, 50, 54, 55, 56, 71
- **OFB 5:** #34, 38, 48, 62, 73, 81
- **OFB 6:** #4, 20, 26, 38, 44, 52, 62 (note #52 added June 4)
- **OFB 7:** #1, 2, 7, 9, 12, 15, 18, 24, 31, 42, 45
- **OFB 8:** #5, 9, 11, 12, 26, 31, 42, 43, 44, 46
- **OFB 9:** #16, 19, 23, 30, 39, 41, 42
- **OFB 10:** #11, 13, 19, 23, 33, 37, 40, 43, 49, 53, 59, 63
- **OFB 11:** #15, 13, 23, 29, 31, 37, 43, 49, 53, 57, 63, 69
- **OFB 12:** #1, 3, 7, 9, 11, 29, 31, 33
- **OFB 13:** #3, 9, 11, 15, 19, 29, 35, 37, 41, 45
- **OFB 14:** #7, 9, 11, 15, 19, 21, 23, 25, 37, 41, 43, 45, 51, 53
- **OFB 16:** #14, 16, 22, 28, 34, 41
- **OFB 17:** don't turn in #: 1, 3, 5, 7

---

**Homework Due:**

- **Week 1:** OFB 3
- **Week 2:** OFB 1, 2 & 3, OFB 4
- **Week 3:** OFB 5, 6 & 7
- **Week 4:** OFB 8
- **Week 5:** OFB 9 & 10
- **Week 6:** OFB 11, 12
- **Week 7:** OFB 13
- **Week 8:** OFB 14
- **Week 9:** OFB 15
- **Week 10:** OFB 16
- **Week 11:** OFB 17
- **Week 12:** OFB 18

---

**Final Exam:**

- **Friday, July 12:** Exam 16
- **Friday, July 19:** Exam 17
- **Friday, July 26:** Exam 18

---

**Office Hours:**

- **Monday-Friday:** 11:30 pg 10-12:00 pg
- **Monday:** 11:30 pg 10-12:00 pg
- **Tuesday:** 11:30 pg 10-12:00 pg
- **Wednesday:** 11:30 pg 10-12:00 pg
- **Thursday:** 11:30 pg 10-12:00 pg
- **Friday:** 11:30 pg 10-12:00 pg

---

**Contact Information:**

- **Phone:** 404-385-2808
- **E-mail:** bill.baron@chemistry.gatech.edu
- **Office:** 1-108
- **Mailbox:** Chemistry Department Main Office

---

**Office Hours:**

- **Monday-Friday:** 11:30 pg 10-12:00 pg
- **Monday:** 11:30 pg 10-12:00 pg
- **Tuesday:** 11:30 pg 10-12:00 pg
- **Wednesday:** 11:30 pg 10-12:00 pg
- **Thursday:** 11:30 pg 10-12:00 pg
- **Friday:** 11:30 pg 10-12:00 pg

---

**Contact Information:**

- **Phone:** 404-385-2808
- **E-mail:** bill.baron@chemistry.gatech.edu
- **Office:** 1-108
- **Mailbox:** Chemistry Department Main Office