<table>
<thead>
<tr>
<th>Week</th>
<th>Reading</th>
<th>Class Meeting</th>
<th>Date</th>
<th>Lecture Notes</th>
<th>HW/Exams</th>
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<tbody>
<tr>
<td>1</td>
<td>GB Chap. 4, Sec. 4.1–4.4 (p.87–137) BS Chap. 6, Sec. 6.1–6.3 (p.197–227)</td>
<td>1</td>
<td>1/17</td>
<td>Lecture #1</td>
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<td>2</td>
<td>1/19</td>
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<td>2</td>
<td>GB Chap. 4, Sec. 4.5 (p.137–141) BS Chap. 11, Sec. 11.1–11.2 (p.425–433)</td>
<td>3</td>
<td>1/24</td>
<td>Lecture #3</td>
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<td>4</td>
<td>1/26</td>
<td>Lecture #4</td>
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<td>3</td>
<td>Prepare for and deliver Cold Plasma Wave Presentations</td>
<td>5</td>
<td>1/31</td>
<td>Lecture #5</td>
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<td>Lecture #6</td>
<td>HW#1 due 1/31–2/2</td>
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<td>4</td>
<td>GB Chap. 7, Sec. 7.3 (p.239–260) BS Chap. 4, Sec. 4.5–4.7 (p.108–130)</td>
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<td>Lecture #7</td>
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<td>8</td>
<td>2/9</td>
<td>Lecture #8</td>
<td>HW#2 due 2/9</td>
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<td>2/14</td>
<td>Lecture #9</td>
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<td>2/16</td>
<td>Lecture #10</td>
<td>HW#3 due 2/16</td>
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<td>6</td>
<td>Review Lectures #1–10 Review HW #1–3</td>
<td>11</td>
<td>2/21</td>
<td>Midterm #1 Review</td>
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<td>12</td>
<td>2/23</td>
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<td>7</td>
<td>GB Chap. 9, Sec. 9.1–9.1.1 (p.319–323) GB Chap. 9, Sec. 9.2 (p.328–346) BS Chap. 7, Sec. 7.1–7.3 (p.252–268)</td>
<td>13</td>
<td>2/28</td>
<td>Lecture #11</td>
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<td>14</td>
<td>3/2</td>
<td>Lecture #12</td>
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<td>8</td>
<td>GB Chap. 9, Sec. 9.3–9.4 (p.346–356)</td>
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<td>16</td>
<td>3/9</td>
<td>Lecture #14</td>
<td>HW#4 due 3/9</td>
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**Spring Break**

| 9    | GB Chap. 9, Sec. 9.1.2 (p.323–328) GB Chap. 9, Sec. 9.5 (p.356–370) BS Chap. 7, Sec. 7.4–7.5 (p.268–277) | 17   | 3/21 | Lecture #15 |          |
|      |         | 18             | 3/23  | Lecture #16  | HW#5 due 3/23 |
| 10   | GB Chap. 11, Sec. 11.1 (p.428–441) BS Chap. 10, Sec. 10.1–10.2 (p.376–388) | 19   | 3/28 | Lecture #17 |          |
|      |         | 20             | 3/30  | Lecture #18  | HW#6 due 3/30 |
| 11   | GB Chap. 2, Sec. 2.2 (p.6–9) BS Chap. 11, Sec. 11.7 (p.453–458) | 21   | 4/4  | Lecture #19 |          |
|      |         | 22             | 4/6   | Lecture #20  | HW#7 due 4/6 |
| 12   | Review Lectures #11–20 Review HW #4–7 | 23   | 4/11 | Midterm #2 Review | No Lecture Midterm #2 |
|      |         | 24             | 4/13  |               |          |
| 13   | Read Barenblatt (2003), p.1–26 Read Taylor (1950a) and (1950b) | 25   | 4/18 | Lecture #21 |          |
|      |         | 26             | 4/20  | Lecture #22  |          |
| 14   | None    | 27             | 4/25  | Lecture #23  |          |
|      |         | 28             | 4/27  | Lecture #24  | HW#8 due 4/27 |
| 15   | Review Lectures #1–24 Review HW #1–8 | 29   | 5/2  | Lecture #25  |          |
|      |         | 30             | 5/4   | Final Review |          |

**Finals Week, 5/8–5/12**

**Textbooks:**

Required: **GB**=Gurnett & Bhattacharjee (2017) *Introduction to Plasma Physics: With Space and Laboratory Applications*