# Tentative Course Lecture Schedule:

<table>
<thead>
<tr>
<th>Date</th>
<th>Week</th>
<th>Topic</th>
<th>Readings</th>
<th>Assignments</th>
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</thead>
<tbody>
<tr>
<td>Aug. 22 – 26</td>
<td>1</td>
<td>Introduction, Ecosystems &amp; Habitats</td>
<td>Ch 1 (1 – 10)</td>
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<td></td>
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<td>Ch 23 (669 – 695)</td>
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<tr>
<td>Aug. 29 – Sept. 2</td>
<td>2</td>
<td>Cell Structure &amp; Function</td>
<td>Ch 2 (31 – 34)</td>
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<td>Ch 3 (47 – 81)</td>
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<td>Sept. 5</td>
<td>3</td>
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<td><strong>Labor Day – No Class</strong></td>
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<tr>
<td>Sept. 7 – 9</td>
<td>3</td>
<td>Article discussion, Microbial Growth</td>
<td>Paper 1</td>
<td>Paper 1 (9/7)</td>
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<td>Ch 5 (117 – 146)</td>
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<td>Sept. 12 – 16</td>
<td>4</td>
<td>Microbial Growth</td>
<td>Ch 5 (117 – 146)</td>
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<td>Bacterial Nutrition &amp; Metabolism</td>
<td>Ch 4 (85 – 113)</td>
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<td>Sept. 19 – 23</td>
<td>5</td>
<td>Microscopy</td>
<td>Ch 2 (24 – 31)</td>
<td>Exam 1 (9/21)</td>
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<td>Bacterial Nutrition &amp; Metabolism</td>
<td>Ch 4 (85 – 113)</td>
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<td>Sept. 26 – 30</td>
<td>6</td>
<td>Bacterial Nutrition &amp; Metabolism</td>
<td>Paper 2</td>
<td>Paper 2 (9/30)</td>
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<td>Article discussion</td>
<td>Ch 4 (85 – 113)</td>
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<td>Oct. 3 – 7</td>
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<td>Prokaryotic Molecular Biology</td>
<td>Ch 6 (150 – 186)</td>
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<td>Ch 7 (191 – 197)</td>
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<td>Oct. 10 – 14</td>
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<td>Gene Regulation</td>
<td>Ch 8 (209 – 232)</td>
<td>Exam 2 (10/14)</td>
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<td>Oct. 17 – 21</td>
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<td>Lateral Gene Transfer</td>
<td>Ch 10 (263 – 288)</td>
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<td>Phototrophy</td>
<td>Ch 13 (361 – 363)</td>
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<td>Oct. 31 – Nov. 5</td>
<td>11</td>
<td>Chemolithotrophy</td>
<td>Ch 13 (352 – 361)</td>
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<td>Nov. 7 – 11</td>
<td>12</td>
<td>Heterotrophy</td>
<td>Ch 14 (372 – 408)</td>
<td>Exam 3 (11/7)</td>
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<td>Nov. 14 – 18</td>
<td>13</td>
<td>Heterotrophy</td>
<td>Ch 14 (372 – 408)</td>
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<td>Nutrient Cycles</td>
<td>Ch 24 (698 – 710)</td>
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<td>Nov. 21</td>
<td>14</td>
<td>Symbioses: Plants</td>
<td>Ch 25 (720 – 732)</td>
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<td>Nov. 22</td>
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<td>Paper Due</td>
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<td>Nov. 23 – 27</td>
<td>14</td>
<td>Thanksgiving Holiday – No Class</td>
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<td>Nov. 28 – Dec. 2</td>
<td>15</td>
<td>Symbioses: Plants</td>
<td>Ch 25 (720 – 752)</td>
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<td>Symbioses: Animals</td>
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<td>Dec. 5</td>
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<td><strong>Final Exam (Monday) 3:30 – 5:30 pm</strong></td>
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**Note:** Specific organisms and groups will be used to illustrate and provide examples for concepts. These organisms are described in Chapter 2 (38 – 44), Chapter 17, Chapter 18, and Chapter 19.