BOOKS CHAPTERS


PUBLICATIONS


## BIOL 233, Semester 122

### A- Weekly breakdown of the course topics – Lectures and Labs

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Chapter</th>
<th>Lab topic</th>
<th>Exerc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26th-30th Jan</td>
<td>Introduction to Biology</td>
<td>1</td>
<td>No lab</td>
</tr>
<tr>
<td>2</td>
<td>2nd-6th Feb</td>
<td>Chemical Bases of life</td>
<td>2</td>
<td>Scientific methods</td>
</tr>
<tr>
<td>3</td>
<td>9th-13th Feb</td>
<td>Molecules of life</td>
<td>3</td>
<td>Microscopy</td>
</tr>
<tr>
<td>4</td>
<td>16th-20th Feb</td>
<td>The structure of the cell (How cells are put together)</td>
<td>4</td>
<td>Homeostasis</td>
</tr>
<tr>
<td>5</td>
<td>23rd-27th Feb</td>
<td>The structure of the cell (How cells are put together) continued.</td>
<td>4</td>
<td>Macromolecules</td>
</tr>
<tr>
<td>6</td>
<td>2nd-6th March</td>
<td>Ground rules of cell Metabolism (How cell work)</td>
<td>5</td>
<td>Structure and Function of Living Cells</td>
</tr>
<tr>
<td>7</td>
<td>9th-13th March</td>
<td>Cells and Metabolism (How cell work)</td>
<td>5</td>
<td>Diffusion, Osmosis and the functional of biological membranes</td>
</tr>
<tr>
<td>8</td>
<td>16th-20th March</td>
<td>Energy and the cell (How cell release chemical energy)</td>
<td>7</td>
<td>Enzymes: Catalysts of life</td>
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<tr>
<td>9</td>
<td>23rd-27th March</td>
<td><strong>Mid-term break</strong></td>
<td></td>
<td></td>
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<tr>
<td>10</td>
<td>31st March-4th April</td>
<td>How cells reproduce (Reproduction and Mitosis)</td>
<td>11</td>
<td>Respiration: Energy Conversion</td>
</tr>
<tr>
<td>11</td>
<td>6th-10th April</td>
<td>Meiosis and sexual reproduction</td>
<td>12</td>
<td>Mitosis and Cytokineses</td>
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<tr>
<td>12</td>
<td>13th-17th April</td>
<td>DNA structure and function</td>
<td>8</td>
<td>Meiosis</td>
</tr>
<tr>
<td>13</td>
<td>20th-24th April</td>
<td>From DNA to protein</td>
<td>9</td>
<td>Heredity</td>
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<tr>
<td>14</td>
<td>27th-April-1st May</td>
<td>Controls over genes</td>
<td>10</td>
<td>Isolation, identification of Nucleic acids (DNA, RNA)</td>
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<tr>
<td>15</td>
<td>4th-8th May</td>
<td>Biotechnology (Studying and manipulating genomes)</td>
<td>15</td>
<td>No Lab</td>
</tr>
<tr>
<td>16</td>
<td>11nd-15th May</td>
<td>Prokaryotic and viruses</td>
<td>19</td>
<td>Final lab exams (11th -15th May)</td>
</tr>
</tbody>
</table>

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