COURSE PREREQUISITES

Students with credit for BISC 101 or 102, or succeeding biology courses, may not take BISC 100 for further credit. Students with a C or better in Biology 12, who are considering a BISC Major, are encouraged to proceed directly to BISC 101 and 102. Breadth-Science.¹

COURSE DESCRIPTION

An introduction to the basic concepts of biology, emphasizing evolution as a unifying theme. Topics include cell structure, mitosis and meiosis, DNA structure and function, evolution and population and ecosystem ecology.

COURSE OUTLINES

1 Evolution; Natural Selection; the definition of Life
2 Macroevolution
3 Energy flow; Chemical Basis of Life
4 Cell Structure and Function
5 Cell Metabolism
6 Photosynthesis and Respiration
7 Cell Reproduction/Meiosis
8 DNA Structure and Function
9 Genetics
10 Population and Community Ecology
11 Ecosystems and the Biosphere
12 Laboratory Exams; Selected Topics

REQUIRED TEXTBOOK(S)

Biology Concepts and Connections, 6th Edition
Campbell, Reece, Taylor and Simon. Benjamin Cummings.

MARK DISTRIBUTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>4 In-class exams (each worth 17.5%)</td>
<td>70%</td>
</tr>
<tr>
<td>Laboratory Midterm</td>
<td>10%</td>
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<tr>
<td>Laboratory Final</td>
<td>20%</td>
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Grade distribution Spring 2008: 28% A; 34% B; 30% C; 8% D

¹Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.