INSTRUCTOR INFORMATION
Instructor: Ms. Ann B. Mayo
Office Location: Adjunct’s Office, ESEE 2302A
Office E-mail: ann.mayo@my.tccd.edu

BASIC COURSE INFORMATION
Course title: General College Biology I Laboratory
Course number and section: BIOL 1408L-40245
Laboratory Room: ESCT 3130
Calendar Dates of Course: August 27, 2013 – December 6, 2013


*Students are required to bring a new, clean lab manual or clean copies of the lab exercises to each laboratory period and to read the exercises prior to lab. It may be possible to compete some of the exercise prior to the laboratory meetings as well – this is advised.

Optional:
Van de Graaff and Crawley, A Photographic Atlas for the Biology Laboratory, Morton Publishing.

Course Description: Introductory biology laboratory for the non-science major considers the careers in science; the use of the microscope; cells structure and function; tissues (histology); an overview of major animal organ systems, and; the identification of trees.

The material will be presented in tutorial styled lecture with hands on work. Students will make a brief presentation on a career in biological sciences.

Grade Evaluation: Laboratory will be counted as 30% of the overall course grade.

Lab Course Grading:
- Quizzes and Assignments 60 points (20%)
- Participation 30 points (10%)
- Midterm Exam 105 points (35%)
- Final Exam 105 points (35%)
Total 300 points (30% of total grade)

Overall Course Grading:

Lab 30%
Lecture 70%

**Important Class Dates**

Audit Registration  August 23, 2013
First Day of Classes  August 26, 2013
Labor Day  September 2, 2013
Census Date  September 15, 2013
Course Drop Deadline  November 9, 2013
Thanksgiving  November 9 – 12, 2013
Final Exams for Classes  December 9-12, 2013
Laboratory Grades Due  December 9, 2013
Final Grades Due  December 13, 2013
<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPICS/ASSIGNMENT/POINTS</th>
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<tbody>
<tr>
<td>1:</td>
<td>Aug 26 – 30</td>
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<tr>
<td></td>
<td>Orientation</td>
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<td>Ex. 1: Biology Lab Policies &amp; Procedures</td>
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<td>Ex. 2: Care and Use of the Microscope</td>
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<td>SLC Microscope Training – Assignment 1 due by Week 5</td>
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<td></td>
<td><em><strong>Pick up SLC Assignment for Next Week</strong></em></td>
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<tr>
<td>2:</td>
<td>Sept 2 – 6</td>
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<td>Science Learning Center (T3205) Assignment – Assignment 2</td>
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<td>3:</td>
<td>Sept 9 – 13</td>
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<td>Ex. 13: Tree Diary (Assignment 3)</td>
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<td>*Quiz 1</td>
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<td>* Assignment 2 Due</td>
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<td>4:</td>
<td>Sept 16 – 20</td>
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<td>Ex. 3: Exploring the Cell</td>
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<td>* Quiz 2</td>
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<td>5:</td>
<td>Sept 23 – 27</td>
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<td>Science and the Scientific Method (handout)</td>
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<td>*Quiz 3 Assignment 1 Due</td>
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<td>6:</td>
<td>Sept 30 - Oct 4</td>
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<td>Plant Cells, Photosynthesis, and Solutions (handout) (get results for Science and the Scientific Method) Assignment 3 (Tree Diary Due)</td>
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<td>*** Pick up SLC Assignment 4 for Next Week ***</td>
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<td>7:</td>
<td>Oct 7 – 11</td>
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<td>Review for Midterm in SLC</td>
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<td>Quiz 4</td>
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<td>Quiz 5 (Review)</td>
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<td>Science Learning Center (T3205) Assignment 4</td>
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<td>8:</td>
<td>Oct 14 – 18</td>
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<td>MID-TERM LAB PRACTICAL (includes all topics above)</td>
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<td>9:</td>
<td>Oct 21 – 25</td>
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<td>Ex. 4: Cell Cycle</td>
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<td>10:</td>
<td>Oct 28 – Nov 1</td>
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<td>Exploring the Macromolecules of Life (handout)</td>
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<td>*Quiz 6</td>
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<td>* Assignment 5 – 10 pts. for completing the Mitotic Phases</td>
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<td>11:</td>
<td>Nov 4 – 8</td>
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<td>Ex. 5: Genetics</td>
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<td>Quiz 7</td>
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<td>12:</td>
<td>Nov 11 – 15</td>
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<td>How Populations Evolve (handout)</td>
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<td>Quiz 8</td>
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<td>*Assignment 6 – Genetics Problems (20 points)</td>
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<td>13:</td>
<td>Nov 18 - 22</td>
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<td>Ex. 14: Careers in Science</td>
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<td>Quiz 9</td>
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<td>Quiz 10 (Review)</td>
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<td>*Assignment 7 – 10 pts. – presentation of career</td>
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<td>*** Pick up SLC Assignment for Next Week (due at Final Exam)***</td>
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<td>14:</td>
<td>Nov 25 – 29</td>
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<td>Science Learning Center Assignment (T3205)- Assignment 8</td>
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<td>AND THANKSGIVING HOLIDAY</td>
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<td>15:</td>
<td>Dec 2 – 6</td>
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<td>FINAL LAB PRACTICAL</td>
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