Bio. 251.01 — Molecules, Cells and Organisms

Fall, 2002

Professor Diane Robertson
Office - S1204
Phone - X3039
e-mail: robertdc@grinnell.edu
Office hours: Wednesdays, 1:00 — 3:00 pm
& by appointment

Description: This course focuses on the cellular and molecular mechanisms underlying the life processes of organisms. It will examine major metabolic functions with emphasis on membrane structure and function, energy transduction (respiration, photosynthesis) and their regulation, and the Central Dogma. The course will make use of several model organisms as well as questions and approaches that will have application in the next course, Bio. 252, Organisms, Evolution and Ecology.

Resources:


Additional readings from the primary and secondary literature.

Evaluation:

200 pts 2 exams (Oct. 4 and Nov. 15)
100 pts 3 quizzes (Sept. 16, Oct. 14, Dec. 2)
200 pts 2 lab project reports
100 pts Other lab assignments (3)
100 pts Participation (lab notebooks, class discussions, citizenship)
200 pts Comprehensive final exam
900 pts Total

Additional assignments may be added at the discretion of the instructor.

Note: The final exam date is not negotiable!

Attendance and participation in class is required. If student work is missed with an excuse verified through the Health Center or the Student Affairs office, the work will generally not be made up; the total number of points available to you will be reduced and your course grade will be determined by the percentage of the available points which you obtained. Exams or other class assignments missed without a verified absence will be graded as 0 points. Assignments turned in after the deadline will have 5 points deducted for each day late. If an assignment is due at the beginning of class and you are late for class, your assignment counts as one day late.

Be forewarned: computer problems are not a legitimate excuse for late work.
Grading Scale

I will use the following scale to assign grades. There is no curve, although grades may be raised at my discretion:

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>87-89%</td>
<td>A-</td>
</tr>
<tr>
<td>84-86%</td>
<td>B+</td>
</tr>
<tr>
<td>80-83%</td>
<td>B</td>
</tr>
<tr>
<td>77-79%</td>
<td>B-</td>
</tr>
<tr>
<td>74-76%</td>
<td>C+</td>
</tr>
<tr>
<td>65-73%</td>
<td>C</td>
</tr>
<tr>
<td>60-64%</td>
<td>D</td>
</tr>
<tr>
<td>below 60%</td>
<td>F</td>
</tr>
</tbody>
</table>

Thus you will be able to calculate your grade at any time by adding up the total points you have earned, dividing by the total points possible up to that time and comparing your percentage to the scale above.