GRADING OF BIOLOGY 741

Midterm and Final Exam (Final 10:00-11:30 Fri, 15 Dec.) - 20 pts
Lecture/Discussion (Preparation and Participation) - 5 pts
The Laboratory Assignments - 75 pts

The midterm and final exams will be short answer exams addressing questions discussed during the lecture/discussion sessions. A question sheet will be provided just prior to each exam that will address all or most of the questions that appear on each exam.

The 5 pts for Lecture/Discussion Preparation and Participation will be assigned based on your presence and involvement in the Wednesday morning sessions.

Laboratory Assignments are due 13 October & 10 November; Final Report due 13 December. The laboratory assignments and final report should include the following materials and micrographs. Each micrograph should be accompanied with a brief explanation of its preparation, should be fully labeled and include a µm bar.

*1. One page description of the best web based MSDS locations with access for electron microscopists at SFSU.
*2. Two page description of the SEM or TEM preparation of material of your choice. References must be included.
*3. 2 - 100 mesh formvar/carbon stabilized grids.
4. 1 - grid with stained sections of the tissue of your choice (10pts).
**5. 1 - trimmed block with tissue ready to be sectioned.

The following electron micrographs:

**6. 1 - in focus hole with the objective aperture in place (4X5 photoshop print).
   1 - slightly underfocus hole with the objective aperture in place (4X5 print).
*7. 1 - SEM of latex spheres and your group mag. calibration for the ISI and
   1 - TEM of latex spheres and your group mag. calibration for the Philips.
**8. 1 - TEM micrograph of coccolith or other microfossil replica (4X5 print).
   1 - TEM micrograph of coccolith or other microfossil. (4X5 print) (10pts).
9. 2 - TEM micrographs of tissue. (1< 7,500X, 1> 25,000X final print mag. (10pts).
10. 2 - SEM micrographs of a second tissue of your choice (10pts). (1< 7,500X, 1> 25,000X final print mag).
11. 1 - digital image and description suitable for posting on our web site. All labels and µm marks for this requirement should appear on a separate layer, not directly on the image.

Each assignment is worth either 5 or 10 points. Those with an asterisk (1, 2, 3, 7) are the laboratory assignments due on the 13th of October. Those with two asterisks (5, 6, 8) are due on the 10th of November. The remainder (4, 9, 10, 11) should appear as the final assignment. One (1) of the earlier laboratory assignments may be resubmitted by the 29th of November. Resubmissions will be graded and used as the final grade for that assignment. The final assignments are due no later than the 13th of December. Final assignments will not be returned. Only under unusually extenuating circumstances will there be a makeup of assignments; late assignments will not be graded.