

## **Biological Illustration 3100-001/002**

T 8-10:50a R 8-9:50a

Instructor: Stephanie Disch

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Office: N253, Office Hour: R 10-11a

Semester: Fall 2018

**Course Description.** Techniques of illustrating to include rough drafts and pencil drawings, ink renderings, graphs, maps, lettering, etc., with emphasis placed on biological materials.

**Textbook.** No text required. Suggested reading:

1. The Handbook of Scientific Illustration. 2003. Edited by Elaine R. S Hodges, with Steve Buchanan, John Cody and Trudy Nicholson. John Wiley & Sons, Inc. New Jersey, USA.
2. Scientific Illustration. 1994. Phyllis Wood. John Wiley & Sons, Inc. New Jersey, USA.

**Student Learning Outcomes.** Upon successful completion of the course, students should be able to:

- A. Create Illustrations using contour line, stippling, hatching and cross-hatching.
- B. Develop a working knowledge of tools/mediums of the trade such as graphite, pen and ink.
- C. Ability to draw and scan illustrations to a digital format for publication.
- D. Understanding of the illustration process including research, layout, initial sketch and finished drawing; emphasis on effective scientific communication.
- E. Follow the history of scientific illustration into the modern profession it is today.

**Attendance.** Attendance is mandatory, and counts as 50% of your grade. As most instruction will be given at the start of class, punctuality is a must. Five absences will be allotted for unforeseen circumstances and will not affect student credit for the course. Class begins at 8am. Late arrivals will get points deducted for attendance that day. Habitual tardiness may result in no credit or early dismissal from course.

**Assignments.** Assignments will be given every week, ranging from sketches to finished drawings in a variety of techniques and materials. Assignments will make up 50% of your grade. Due dates will be given in class. There will be one final assignment at the end of the semester. Assignments may include: bones, cells, plants, insects, shells, mammals, birds, life-cycles, etc. Assignments will be evaluated by the following criteria:

**Effective Communication.** Does the drawing successfully convey information conducive to scientific understanding (identification, natural process, function...)

**Accuracy of Subject.** Are proportions, colors and details of the subject accurate?

**Effort/Improvement.** How much time and research are put into the development process of a drawing and the finished drawing itself? Is their noticeable improvement in technique, composition or process?

**Effective use of Technique/Presentation.** Is the artwork clean and professionally presented? Are techniques effective in conveying subject? Are the techniques properly applied?

**Grading.** Grading will be on a credit/no credit basis. To receive credit, a student must complete all the assignments and meet the attendance requirements as stated in the syllabus. Feedback on individual assignments will facilitate improvement.

**Academic Integrity.** See Student Code of Conduct in Catalog.

**Disability Resource Services.** By university commitment and by law, students with disabilities are entitled to participate in academic activities and to be tested in a manner that accurately assesses their knowledge and skills. They also may qualify for particular accommodations that ensure equal access to lectures, labs, films, and other class-related activities. Contact Disability Resource Services at Ext. 3159 or information about making accommodations.

**Supply List.** You will need the following items to complete the course:

1. Strathmore 400 Series Mixed Media Pad 9x12	9731098
2. Sketch book, spiral bound (for field sketching)	9731022
3. Drawing Pencils, 1ea: 2H, HB, 2B, 6B	9722894
4. Erasers, 1ea. White Plastic, Kneaded	9729866 9701028
5. Ruler (clear preferable)	TB23369
6. Blending Tortillons	9701043
7. Hunt Crow Quill pen holder with assorted nibs (hunt 102 nib)	9727800
8. Higgins Black Magic Ink	9730337
9. Sakura Pigma Micron pen 01 (.25mm)	9716819
10. X-Acto knife	4100418
11. Black Scratchboard 11x14 or 8x10	9711798
12. Set of 12 (or more) Watercolor Pencils	9736842
13. Aqua Flo Brush, pointed tip	9733210
14. Lint Free cleaning cloth (for pen nib)	
15. Small cup for water	

You will find most of these items at the campus bookstore. You may also order your supplies from Nasco ([enasco.com](http://enasco.com)) and use the item numbers to the right. Nasco is located at 401 Bangs, Modesto. Michaels arts and crafts store and Hobby Lobby will also carry these supplies. You can expect to pay around \$40+ dollars for the above supplies. **Be sure to bring your student ID for discounts**; Nasco may offer up to 20% student discount on supplies.