

Biological Illustration 3100-001/002

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

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Semester: Spring 2019

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. As most instruction will be given at the start of class, punctuality is a must. Class starts at 8am. You will be asked to sign in upon arrival. Three absences will be allotted for unforeseen circumstances and will not affect student grade. Two late occurrences will result in one absence. Any additional absence will deduct student grade by one letter (4 absences = B; 5 absences = C etc.). A minimum grade of a C is required for credit. Attendance records can be reviewed on the Moodle course website.

Participation. Various assignments will be given throughout the semester. To receive a passing grade all assignments must be completed. Ample time is provided in class for this, and it is expected that class time be used for working on the assignments, not answering texts, watching T.V, studying for other classes, and/or excessive chit chat. If such is observed, you may be asked to continue your extracurricular activities elsewhere. This will result in a half credit deduction for the day. Should you finish an assignment early, you may begin working on the next assignment, or another drawing.

Assignments. Assignments will be given every week, ranging from sketches to finished drawings in a variety of techniques and materials. Due dates will be given in class. Assignments may include: bones, plants, insects, shells, mammals, birds 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. Attendance will be recorded in a sign in sheet as well as in Moodle. All enrolled in the class will be required to create an account in Moodle. Specific information will be provided in class.

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:

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| 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. Set of 12 (or more) Watercolor Pencils | 9736842 |
| 12. Aqua Flo Brush | 9733210 |
| 13. Lint Free cleaning cloth (for pen nib) | |
| 14. Small cup for water | |

You will find most of these items at the campus bookstore. You may visit enasco.com and search the item numbers on the side. 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; save your receipt!**