

ART 143 : SCIENTIFIC ILLUSTRATION: BASIC TECHNIQUES

Transcript title

Scientific Illustration: Basic

Credits

3

Grading mode

Standard letter grades

Total contact hours

60

Other hours

60

Recommended preparation

ART 131 and ART 142.

Course Description

Learn the basic techniques to visually interpret scientific principles. Attention to the tools and skills essential for creating accurate and effective scientific illustrations. Emphasis on keen observational skills and communicating accurate information using a variety of media. Repeatable for credit.

Course learning outcomes

1. Create basic scientific illustrations.
2. Describe the field of Scientific Illustration and its history.
3. Develop drawing skills and art techniques related to representational and accurate rendering of natural science subjects.
4. Apply principles of illustration: concept work, sketching, composition, and effective science communication.
5. Develop research techniques in the field and virtually to further communicate scientific accuracy in illustration.
6. Use media-specific terminology to receive and provide feedback.

Content outline

1. Beginning concepts and vocabulary of science illustration
2. Introduction to types of science illustration: field sketching, botanical, zoological, marine, and medical
3. Introduction to types of media used to create science illustration
4. Application of elements of art and principles of design
5. Constructive critique: giving and receiving [feedback between instructor and classmates](#)

Required materials

Students will need to provide specific materials used in this course, please see the syllabus for a detailed list.

General education/Related instruction lists

- Arts and Letters