

# ART 243 : DIGITAL ILLUSTRATION: SCIENTIFIC

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## Transcript title

Digital Illustration Science

## Credits

3

## Grading mode

Standard letter grades

## Total contact hours

60

## Other hours

60

## Prerequisites

ART 141, ART 142, and ART 143.

## Recommended preparation

ART 110.

## Course Description

Explores the intersection of traditional and digital scientific illustration using industry-standard software. Emphasizes advanced observational accuracy and effective communication. Builds on the foundations learned in ART 143 and digital techniques covered in ART 141 and 142. Repeatable for credit.

## Course learning outcomes

1. Produce detailed scientific illustrations using both traditional and digital techniques.
2. Articulate the evolution and significance of the Scientific Illustration field through historical context.
3. Develop advanced skills for precise and realistic rendering of scientific subjects in both traditional and digital media.
4. Demonstrate principles of illustrations: concept development, sketching, composition, and effective communication of scientific concepts.
5. Employ both field and virtual research methods to ensure scientific accuracy in illustrations.
6. Use media-specific terminology to receive and provide feedback.

## Content outline

1. Advanced concepts and vocabulary in science illustration
2. Comprehensive exploration and practical application of various scientific illustration disciplines, including field sketching, zoology, botany, geology, and other scientific domains.
3. Use traditional and digital media for creating scientific illustrations
4. Advanced 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.