SEMESTER LEARNING OUTCOMES

1) To develop a general understanding of the types of biological illustrations used in scientific publications today.

2) To be able to develop illustration-related objective statements.

3) To become familiar with the process of critiquing scientific illustrations.

4) To develop an appreciation for timed drawing exercises/studies designed to hone observation skills.

5) To appreciate drawing using the right hemisphere of the brain (extemporaneously, holistically). "Draw what you see, not what you know."

6) To learn techniques to recreate detail efficiently.

7) To learn techniques to recreate repeated structures efficiently, algorithmically.

8) To appreciate the management of a drawing table/environment/lighting.

9) To appreciate and use the "draft phase" of the illustration process more effectively.

10) To become familiar with techniques to digitally archive/enhance illustrations.

11) To appreciate differences in how to develop multiple illustration techniques covered in the weekly assignments/portfolio (below).

- Negative and positive space
- Line only (with hatching/cross hatching)
- Stippling
- Half tone (graphite, carbon dust, watercolor, ink wash, etc.)
- Combination (positive/negative space, line, stippling, half tone)
- Color (pencil, watercolor pencil, watercolor specifically)
- Digital (illustrating entirely on the computer)