

BIOLOGICAL/PRE-MEDICAL ILLUSTRATION (BPM I)

Any experimental courses offered by BPM I can be found at:

registrar.iastate.edu/faculty-staff/courses/explistsings/ (<http://www.registrar.iastate.edu/faculty-staff/courses/explistsings/>)

Courses primarily for undergraduates:

BPM I 323: Scientific Illustration Principles and Techniques

(Cross-listed with ARTIS). (0-6) Cr. 3. Repeatable.

Prereq: DSN S 131, ARTIS 230, or equivalent, and 3 credits in biological sciences; or permission of the instructor

Studio basics and professional techniques in black & white, continuous tone, and color. Introduction to professional practice and principles of communicating science through art. Emphasis on tools, materials, and rendering.

BPM I 326: Illustration and Illustration Software

(Cross-listed with ARTIS). (0-6) Cr. 3. Repeatable.

Prereq: ARTIS 323/BPM I 323, or permission of the instructor

An introduction to digital illustration software. Application of painting, drawing and image making techniques using vector and raster based programs.

BPM I 327: Illustration as Communication

(Cross-listed with ARTIS). (0-6) Cr. 3.

Prereq: ARTIS 326/BPM I 326, or permission of the instructor

Investigation of illustration as a form of communication. Emphasis on problem solving, effective composition, and advancement of rendering skills.

BPM I 337: Application of Scientific Illustration Techniques

(Cross-listed with ARTIS). (0-6) Cr. 3. Repeatable, maximum of 6 credits. S.

Prereq: ARTIS 327

Rendering techniques applied to different types of biological and scientific subjects emphasizing communication. The use of traditional and digital media. Term project required.

BPM I 395: Field Illustration

Cr. 1-3. Repeatable, maximum of 6 credits. S.SS.

Prereq: Permission of instructor

A combination seminar and field trip course emphasizing nature interpretation, field sketching techniques and preparation of a final illustration based on field experience.

BPM I 398: Cooperative Education

Cr. R. F.S.SS.

Prereq: Permission of the program cooperative education coordinator, junior classification

Required of all cooperative education students. Students must register for these courses prior to commencing each work period.

BPM I 435I: Illustrating Nature I Sketching

(Cross-listed with IA LL). Cr. 2. SS.

Sketching plants, animals and terrain. Visual communication, development of a personal style, and integration of typographic and visual elements on a page will be emphasized.

BPM I 436I: Illustrating Nature II Photography

(Cross-listed with IA LL). Cr. 2. SS.

Beginning to intermediate technical and compositional aspects of color photography of natural areas and their plants and animals.

BPM I 490: Independent Study

Cr. 1-3. Repeatable, maximum of 3 credits.

Prereq: Written approval of instructor and advisory committee chair on required form in advance of semester of enrollment

BPM I 491: Portfolio Design and Professional Development

Cr. 2. S.

Prereq: BPMI 337, junior or senior classification in the BPMI curriculum.

Portfolio and professional preparation including identity package development, writing and speaking. Career-readiness, professional practice, leadership, networking, exploring research subfields within scientific visualization. Creating print and digital visual materials, learning approaches for entering the field, and developing business practice skills. Final portfolio materials presented at the end of the term.

BPM I 494: Special Topics in Illustration

Cr. 1-3. Repeatable.

Intensive exploration of illustration techniques in a studio or field setting.

BPM I 497: Illustration Internship

Cr. 1-6. Repeatable, maximum of 6 credits.

Prereq: Junior or senior classification in BPM I, written approval of supervising instructor and advisory committee chair on required form in advance of semester of enrollment

Offered on a satisfactory-fail basis only.