

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 or BPM I 323 or Permission of 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 or BPM I 326 or Permission of 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: ARTIS 230 or 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: Junior classification; Permission of Instructor

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

BPM I 490: Independent Study

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

Prereq: Permission of Instructor

BPM I 491: Portfolio Design and Professional Development

Cr. 2. S.

Prereq: (BPM I 337; Junior or Senior classification) or Permission of Instructor

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.

Prereq: Permission of Instructor

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: BPM I major; Junior or Senior classification; Permission of Instructor

Offered on a satisfactory-fail basis only.