

- A. Free Elective
- B. The course is a program requirement for the Associate of Science in Interior Design and for the Interior Design Certificate.
- C. Course transferability: this course will transfer to most two and four-year schools (such as Kean University, NJIT, and the School of Visual Arts) as a foundation interior design course or as a free elective.

V. Outline of Course Content

- A. Use and application of digital drawing tools
- B. Use of accurate digital and traditional drawing conventions
 - 1. Layers
 - 2. Line weights
 - 3. Text and Notes
 - 4. Dimensions
 - 5. Hatches and Fills
 - 6. Graphic Symbols
- C. Drawing accurate plans, sections, elevations, and details of interior space
- D. Creating accurate specifications, notes and schedules for interior space
- E. Organization of plans, sections, elevations, schedules and details
 - 1. Sheet organization and layouts
 - 2. Title blocks
- F. Drawing and printing to scale
- G. Basic 3-D modeling, scene creation and rendering
- H. Digital presentation and color output

VI. Educational Goals and Learning Outcomes

A. Educational Goals

Students will:

- 1. Utilize CAD drawings and models in the documentation of interior space. (GE-NJ 1, 2, 4)
- 2. Apply orthographic drawing methods and conventions for accurate representations of three dimensional space in two dimensional CAD drawings. (GE-NJ 1, 2, 4)
- 3. Produce architectural drawings for small scale spaces using computer drafting techniques for design development and documentation. (GE-NJ, 1, 2, 4)
- 4. Create accurate 3D models for design development and presentation. (GE-NJ, 1, 2, 4)

B. Learning Outcomes

Upon completion of this course, students will be able to:

- 1. Read and produce scaled architectural CAD drawing for interior space.
- 2. Document and assess three dimensional space in two dimensional CAD drawings and 3D models.
- 3. Apply CAD orthographic drawing methods and conventions to interior design projects.
- 4. Design and specify interior design elements through CAD drawings, schedules and notes.
- 5. Draw accurate technical CAD drawings for interiors.
- 6. Interpret and create multi-view drawings for interior spaces.
- 7. Use digital tools for the design process, documentation and visualization of interior space.

VII. Modes of Teaching and Learning

- A. Lecture/discussion
- B. Instructor demonstrations
- C. In class and Homework drawing projects
- D. Assigned readings
- E. Final Drawing project/presentation
- F. Individual and group critiques

VIII. Examinations, Projects and other Assessment Instruments

- A. Final drawing project/presentation
- B. Quizzes/Exams
- C. Oral Presentation/Informative Dialogue
- D. Drawing projects
- E. In class tutorials

IX. Grade Determinants

- A. Active participation in class discussions/activities
- B. In class lab work
- C. Completion, accuracy and craftsmanship of drawing assignments
- D. Final Drawing Project/Presentations

X. Texts and Materials

A. Suggested Textbooks:

- Digital Drawing for Designers, A Visual Guide to Autocad 2011, by Douglas R. Seidler, Fairchild Books
- Construction Drawings and Details for Interiors: Basic Skills / Edition 2, by Rosemary Kilmer and W. Otie Kilmer, Wiley, John & Sons, Incorporated
- Interior Design Illustrated/Second Edition, by Francis Ching, Wiley, John & Sons, Incorporated
- Architectural Graphics /Fourth Edition by Francis Ching, Wiley, John & Sons, Incorporated
- Hand Drawing for Designers by Douglas R. Seidler and Amy Korte, Fairchild books

(Please Note: The course outline is intended only as a guide to course content and resources. Do not purchase textbooks based on this outline. The RVCC Bookstore is the sole resource for the most up-to-date information about textbooks.)

B. Materials:

Students will purchase, drawing/drafting materials, media to print and drives to store digital files.

XI. Resources

- A. Design Studio with drafting tables and portable drafting boards.
- B. Projector for digital lectures on drawing concepts.
- C. Tack boards for critiques.

Additional resources:

- A. Computer lab with web access and appropriate software.
- B. Wide format color plotter for drawings and presentations.
- C. College Library (database access to art, architecture and interior design)