

- B. The course is a program requirement for the Associate of Science in Interior Design.
- 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 basic and intermediate digital drawing tools and process.
- B. Integration of traditional and digital tools for design assessment and development.
- C. Use of accurate digital and traditional drawing conventions for designed large scale spaces:
 - 1. Layers
 - 2. Line weights
 - 3. Texts and Notes
 - 4. Dimensions
 - 5. Hatches and Fills
 - 6. Graphic Symbols
- D. Drawing accurate plans, sections, elevations, and details of commercial interior space from a design concept within an existing shell.
- E. Creating accurate specification, schedules and details for designed commercial interior space.
- F. Organization of plans, sections, elevations, schedules and details:
 - 1. Sheet organization and layouts
 - 2. Title blocks
- G. Drawing and printing to scale.
- H. 3-D modeling for design and visualization of larger commercial spaces.
- I. Rendering:
 - 1. Creation of scenes
 - 2. Lighting
 - 3. Materials
 - 4. Rendering and output
- J. Digital Presentation and color output.

VI. Educational Goals and Learning Outcomes

A. Educational Goals

Students will:

- 1. Utilize CAD drawings and models in design development of larger commercial spaces. (GE-NJ 1, 2,4)
- 2. Apply orthographic drawing methods and conventions for accurate representations of designed interior space in two dimensional CAD drawing for larger commercial interiors. (GE-NJ 1, 2, 4)
- 3. Produce a set of design documents based on a design and concept for commercial interior space. (GE-NJ 1, 2, 4)
- 4. Create and render 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 drawings for interior design.

2. Document and design 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.
6. Draw accurate technical CAD drawings for designed interiors.
7. Interpret and create multi-view drawings for interior spaces.
8. Use digital tools for the design process, documentation and presentation of interior design.

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 supplies, 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)