

**Commercial Design II**  
**IND1019**  
**Dr. Ann Roccon, ASID, IIDA, CKD, Instructor**  
[aroccon@irsc.edu](mailto:aroccon@irsc.edu)  
**Shaun Wightman: Department Chair**  
**(772)462-7705**

**3 Credit Hours**

**Introduction:**

This class is an advanced commercial design class; both building codes and accessibility standards should be known and understood before taking this course. Please come to class prepared to take notes and work.

**Description:**

Advanced individual and team approach to nonresidential concerns will follow the beginning commercial course. Emphasis on programming, special analysis, code restrictions, complete furniture and finishes selections, budget limitations, and complete client presentation will be taught through a single complex commercial project with a series of team research and design studies on the specialized spaces within this project. AutoCAD and PowerPoint skills are required to execute the final project.

**Pre-Requisites:**

IND 2016 Commercial Design I

**Assessed Degree Program Learning Outcome:** To make use of technology. Assessment will be recorded based on the final project assigned in Week 4 as listed in the schedule.

**Learning Outcomes and Objectives:**

- 1. Use the design process in completing projects**
  - a. Apply space-planning, building codes, barrier free design and human factors principles in project designs
  - b. Apply health concerns into projects for public use facilities
  - c. Apply space-planning principles to restaurants and small office uses
- 2. Plan for space utilization according to identified functions**
  - a. Apply responses to the physical, psychological, and social needs of people using interiors (i.e. territoriality, personalization, and group interaction)
  - b. Demonstrate functional and aesthetic goals and objectives establishment that direct the programming process
  - c. Create a client profile
  - d. Apply known methods of collecting information and projected user requirements
  - e. Create a design matrix and other schematic processes
  - f. Illustrate bubble diagrams and block planning
  - g. Demonstrate spatial adjacency, utilization, circulation, light, and function
  - h. Apply the requirements of good traffic circulation
  - i. Synthesize concepts of space utilization through sketching and schematic drawings
  - j. Apply ergonomic and anthropometric knowledge in all projects
  - k. Apply human behavior in all design projects

- l. Confirm appropriate allocations of space according to programmatic needs
- m. Sketch preliminary layouts
- n. Differentiate public and private space, form, and usage
- 3. Explain complete design concepts through oral and digital presentations**
  - a. Apply color principles to projects
  - b. Incorporate code requirements affecting health, welfare, and public safety in design solutions
  - c. Identify environmental issues that may contribute to occupants' health and safety
  - d. Apply the elements of design to satisfy aesthetic criteria
  - e. Apply the principles of design to satisfy aesthetic criteria
- 4. Select appropriate furnishings and materials**
  - a. Evaluate client needs for the design solution
  - b. Analyze criteria for the selection and arrangement of furnishings including furnishings to be used by persons with disabilities, the elderly, and/or youth
  - c. Develop a furniture arrangement and traffic plan
  - d. Determine the advantages and disadvantages of flooring materials specified in design projects
  - e. Identify the characteristics of fibers and the construction of various floor coverings and interior fabrics specified in design projects
  - f. Specify various ceiling treatments
  - g. Identify the characteristics of various types of wall coverings specified in design projects
  - h. Specify window coverings for design projects
  - i. Estimate quantity needed for floor, window treatments, and wall coverings
  - j. Analyze maintenance requirements in specifying materials
  - k. Incorporate aesthetics, function and performance criteria
- 5. Specify appropriate interior lighting**
  - a. Specify lighting requirements in terms of specific purposes for which lighting is required
  - b. Relate lighting styles and fixtures to interior and exterior design
  - c. Specify appropriate lighting fixtures to perform efficiently and effectively in contract interior design projects
  - d. Describe human response to light contrast and glare in commercial spaces
  - e. Describe the factors of contrast and diffusion as they affect commercial interior space
  - f. Illustrate the positive and negative impact of daylight on commercial interiors
  - g. Describe how various means of controlling daylight impact on commercial interiors
  - h. Apply lighting to address the needs for the aging in commercial spaces
  - i. Specify special purpose commercial lighting (office, retail, or hospitality) in an interior project
  - j. Describe how the color characteristics of artificial lighting affect commercial interiors
  - k. Apply both architectural and portable lighting to commercial interiors
  - l. Apply appropriate fixture placement and location in commercial interior design projects
  - m. Apply appropriate placement and selection of light switches
  - n. Apply codes and regulations related to health, safety, and welfare requirements in commercial interior design
- 6. Relate the interior with the exterior of a building where appropriate**
  - a. Identify factors of orientation on the site
  - b. Select interior lighting that complements exterior lighting

- c. Unify the interior and exterior themes
- 7. Analyze the effects of sound on habitable spaces**
  - a. Apply the fundamentals of sound absorption to evaluate means that might be employed to control the acoustic quality of a space
  - b. Analyze issues of sound transmission and methods to tailor interior materials and components to specific uses of a space, allowing for appropriate speech privacy or transmission
  - c. Determine the layout and surface treatment of walls, ceilings, and finishes, in addition to spatial organization, to achieve desired results in sound balance and comfort in an interior
- 8. Design sustainable interiors**
  - a. Analyze the concept and terminology of green design/sustainable design
  - b. Demonstrate proficiency in material usage
  - c. Identify governing organizations associated with sustainable design as applied to commercial interiors
  - d. Estimate the cost of green/sustainable design for a commercial design project vs. other methods both initially and long term
- 9. Produce a full set of client presentation documents**
  - a. Use drafting skills and media techniques in project completion
  - b. Integrate information obtained from reference materials, discussions, verbal presentations, and survey materials (interviews, observation, and questionnaires) into other activities
  - c. Design a custom construction element as an enhancement of construction knowledge and employability skills
  - d. Render a perspective drawing that visually communicates design intent
  - e. Apply appropriate electrical symbols to design drawings
  - f. Specify appropriate amounts and types of light fixtures for design solutions
  - g. Develop a written design statement to communicate the design solution to the client
  - h. Apply wayfinding principles
- 10. Illustrate the use of business forms used in design projects**
  - a. Prepare contract documents accurately for a specified project
  - b. Compose the basic elements of a contract
  - c. Prepare the basic components for a letter of agreement
  - d. Outline the scope of basic interior design services plus any additional services to be offered
  - e. Document the obligations of all parties in writing
  - f. Indicate the owner's responsibilities toward the designer
  - g. Acquire the designer's responsibilities toward the client
  - h. Produce appropriate graphic presentations and drawings
  - i. Use complete and accurate specifications
  - j. Articulate cost and selling estimates

**Assessment of Learning Outcomes:** Learning outcomes are determined by measuring the ability of each student to retain the learning outcomes of the course. Performance-based methods, such as completion of assigned projects, general knowledge tests, oral and written presentations of

assignments, group discussions, observation of mastery of critical skills and analysis of the final product will determine the final grade on this course.

### **Outline of Course Work:**

Do the necessary textbook reading and corresponding homework before coming to class. Take notes during each lecture and presentation. Present and explain course projects in both team and individual presentations. Use the instructor's comments and suggestions to improve your work.

### **Texts:**

Karlen, M. & Fleming, R. (2016). *Space planning basics* (4<sup>th</sup> ed.), Hoboken, NJ: Wiley.

~Required Text~

Rengel, R. J. (2012). *The interior plan: Concepts and exercises*, New York: Fairchild Books.

~Required Text~

Kilmer, W. O. & Kilmer, R. (2009). *Construction drawings and details for interiors: Basic skills* (2<sup>nd</sup> ed.), Hoboken, NJ: Wiley.

~Optional Text~

### **Expectations of a College Writer**

In any paper, correspondence, or other written communication with your instructor, you **must** adhere to the following standards:

1. Communicate using Standard English. Papers, correspondence or electronic communications using computer Instant Message Chat Slang or jargon or any such slang, lingo, or other computer-related language will not be accepted.
2. Correctly spell and use the appropriate forms of words (use spell check).
3. Begin each sentence with a capital letter and end with proper punctuation.
4. Write complete sentences that are clearly worded, not garbled and confusing. Do not use fragments, comma splices or run-on sentences.
5. Avoid glaring grammatical errors. Look up the grammar rules if you do not remember the appropriate usage. Seek help in the learning labs or a grammar handbook.
6. When preparing a paper, create a thesis sentence that states the main idea of the essay or a topic sentence that states the main idea of the paragraph.
7. Organize the major supporting ideas and information so that the reader can follow.
8. Read your work aloud; then, revise and edit it. If you cannot come into our campus learning lab for assistance, you may wish to use the service of **Smart thinking**, an online writing review program. This site provides access to professional online writing tutors. Students receive a detailed, personalized critique of any written assignment, such as an essay, report, personal statement, cover letter, resume, or creative story. Students may choose a 30-minute review or a 60-minute review for longer essays.
9. Use appropriate citation style for all research papers. Confirm with your instructor the appropriate format to use. If you are directed to use the MLA or APA format.

### **Grading Division**

28 points maximum – Final Oral Project Presentation

6 points maximum – Critics

10 points maximum - Notebooks

6 points maximum - Precedent Study

16 points maximum – Projects

16 points maximum – Homework & Quizzes

*10 points maximum - Final Exam*

*8 points maximum – for the attendance and punctuality*

### **Grading Scale**

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

Below 60 = F

### **Course Requirements:**

- Completion of a competition commercial project.

### **Policy on Late Work or Make-Up Exams**

Work handed in over one week late will have 10 points automatically removed from their grade. Visual Presentation will be handed in on the dates indicated and Oral Presentation will be given on the dates assigned. Only in extreme circumstances will late presentation be considered for grading and are subject to approval by the instructor.

### **Academic Honesty and Plagiarism**

1. Collaboration and discussion is encouraged in all course aspects other than actually completing the assigned work (exams, homework, projects, etc). Indeed, collaboration often leads to increased understanding of the material being covered. If you have questions about an assignment, I encourage you to speak up and ask questions about it.
2. It should, but will not; go without saying that plagiarism is a form of fraud and will not be tolerated. Copying text or images from any source and claiming it as your own is considered plagiarism. Submitting copied text as your entire answer on a homework or project, even if you cite the source, is also a form of dishonesty.
3. Any form of academic dishonesty will be appropriately addressed.

### **Special Needs**

If you have any special needs or requirements pertaining to this course, please discuss them with the instructor early in the term.

### **Syllabus Disclaimer**

This syllabus is subject to change at the discretion of the instructor. Changes will be distributed when appropriate as an addendum to the syllabus. The course goals, objectives, student competencies do not change.

### **Withdrawal and Attendance Policy**

It is the student's responsibility to withdraw from the class by **October 31, 2016** with a grade of "W".

Excessive absences (more than 4 for a class that meets twice a week) will result in administrative withdrawal or a grade of "F". Each minute a student arrives late or leaves early will cost him/her a point. Students will have to sign in at the beginning of class. The book will close 5 minutes after class starts. 30 minutes or more away from class will be considered an absence.

### **Classroom Policy**

- It is the student's responsibility to turn off cell phones during class.

- If in an emergency call is needed the student is to step out of the class to take or make the call.
- No iPods or mp3s during class unless approved by the instructor.
- The lecture or discussion will start 5 minutes after the period has started.
- No talking (private conversations) during lectures.
- No business transactions during class time.