Commercial Design I
INDC2016
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3 Credit Hours

Introduction:
This class is an introductory class to commercial interior design using building codes and accessibility in the design fundamentals. Please come to class prepared to take notes and work.

Description:
This course presents the design process used in commercial interiors. Space planning, human factors, technical issues, furniture and material selection, budgets, code requirements, and presentation techniques are reviewed. The course is project oriented.

Pre-Requisites:
IND1015 Residential Design

Assessed Degree Program Learning Outcome: To understand and exhibit civic engagements and social responsibility. Assessment will be recorded based on the final group project assigned in Week 13 as listed in the schedule.

Learning Outcomes:

1. **Incorporate appropriate codes and regulations in a commercial design project**
   Learning Objectives

   a. Apply local, state, and national building codes as well as the UBC (Uniform Building Codes) to commercial projects

   b. Apply regulations for barrier-free environments to commercial projects

   c. Describe the material ratings and resistance of materials required by fire code

   d. Describe labeling techniques that identify products that meet flammability standards required by fire code

   e. Differentiate the code requirements based on type of occupancy and type of construction

   f. Apply Americans with Disabilities Act (ADA) requirements as they relate to the design of interior spaces

2. **Analyze egress requirements**
   Learning Objectives

   a. Calculate the occupancy load and required number of exits

   b. Discover the appropriate exit sizes, travel distances, and location of exits within a room or corridor

   c. Recognize appropriate door types for access and egress

   d. Differentiate between commercial, and industrial access and egress requirements

3. **Analyze interior methods and systems in building construction**
   Learning Objectives
   a. Identify methods and techniques of building construction
   b. Review basic mechanical plans
   c. Recognize the advantages of applying green design considerations to construction decisions
   d. Identify the different materials and assemblies employed in the construction of partitions, walls, and ceilings for commercial applications
   e. Identify the types of millwork woods and veneers used in commercial applications
   f. Describe the function and appropriate specification of millwork finishes in commercial spaces
   g. Identify appropriate installation systems of wall paneling and acoustical ceilings
   h. Describe the uses and characteristics of available glazing and film for doors and windows for energy and security considerations in commercial applications

4. **Plan for space utilization per identified functions**
   Learning Objectives
   a. Identify responses to the psychological and social needs of people using interiors as well as to their physical needs (i.e. territoriality, personalization, and group interaction)
   b. Formulate functional and aesthetic goals and objectives to direct the programming process
   c. Create a client profile
   d. Identify known methods of collecting information and projected user requirements as fundamental to design project preparation
   e. Interpret a design matrix and other schematic processes
   f. Illustrate bubble diagrams and block planning
   g. Illustrate 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 ergonometric and anthropometric requirements in a 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 between public and private space, form, and usage
   o. Describe the differences in programming for various commercial space usages

5. **Incorporate evaluation, space planning, layout and workflow into a commercial design project**
   Learning Objectives
   a. Develop a plan for a total concept for interior design and furnishings
   b. Apply design methods and techniques to a nonresidential interior design project
   c. Apply the programming sequences in a design project

    d. Document the design development stages of a design project

    e. Describe the purpose and content of a post-occupancy evaluation

6.   **Apply the design process in completing projects**

    Learning Objectives

    a. Demonstrate space-planning, furniture decisions and human factors in project designs

    b. Demonstrate health care concerns into projects for medical or dental facilities

    c. Apply space-planning principles to small commercial buildings, such as restaurants, banks and professional offices

    d. Differentiate between residential and commercial design

    e. Illustrate the critical elements of commercial interior design

    f. Translate a commercial program into design language and formats

    g. Demonstrate proficiency in the knowledge and application of the design elements

    h. Demonstrate proficiency in the knowledge and application of the design principles

7.   **Select appropriate furnishings and materials incorporating aesthetics, function and performance criteria for more complex facilities**

    Learning Objectives

    a. Identify flooring materials

    b. Apply various ceiling treatments

8.   **Specify appropriate interior lighting**

    Learning Objectives

    a. Identify lighting requirements in terms of specific purposes for which lighting is required

    b. Relate lighting styles and fixtures to interior and exterior design

    c. Select appropriate lighting fixtures to perform efficiently and effectively in contract interior design projects

    d. Apply appropriate fixture placement and location in interior design projects

    e. Identify appropriate placement and selection of light switches

    f. Apply codes and regulations related to health, safety, and welfare requirements in interior design

9.   **Explain complete design concepts through oral/visual presentations**

    Learning Objectives

    a. Apply color principles to projects

    b. Discern code requirements which affect health, welfare, and public safety in design solutions

    c. Demonstrate the use of codes in a commercial design project

    d. Defend the use of codes in a commercial design project

    e. Illustrate size and scale in a drawing

    f. Demonstrate overlapping techniques

    g. Explain detail drawings

    h. Illustrate shade and shadow from a natural light source

      i. Apply methods and techniques of a one-point perspective drawing

      j. Analyze presentation techniques as vehicles for graphic illustration

      k. Demonstrate layout techniques

      l. Apply design principles to layout

      m. Use lettering techniques and computer skills for visual and oral presentations

10.   **Analyze business organization and development procedures and/or systems for a professional practice in commercial design**

      Learning Objectives

      a. Describe the legal considerations and forms necessary to the practice of commercial interior design

      b. Illustrate procedures used in commercial interior design

      c. Identify principles/legal requirements of record keeping

11.   **Provide personal contributions to a group participation project**

      Learning Objectives

      a. Outline the implementation of a project phase as its supervisor

      b. Convey team skills through communication with all responsible parties

      c. Demonstrate commitment to the team by attending meetings, contributing ideas, supporting other's ideas, assisting others as needed, and meeting deadlines

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:
Space Planning Basics, 2016, Karlen 4th edition, Wiley
~Required Text~

The Interior Plan: Concepts and Exercises, 2010, Roberto J. Rengel, Fairchild
~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.

Grading Division
> *28 points maximum – Final Oral Project Presentation*
> *16 points maximum – Exam*
> *28 points maximum – Projects*
> *16 points maximum – Pop/Quizzes/Homework*
> *4 points maximum -   Notebook*
> *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 three commercial projects.

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 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 March 23, 2016 with a grade of "W".

Excessive absences (more than 4) 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 must 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.