ARCH143 : Commercial Interior Design

General Information

Author:	• David D Martin
Course Code (CB01) :	ARCH143
Course Title (CB02) :	Commercial Interior Design
Department:	ARCH
Proposal Start:	Fall 2024
TOP Code (CB03) :	(0201.00) Architecture and Architectural Technology
CIP Code:	(04.0901) Architectural Technology/Technician.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000606826
Curriculum Committee Approval Date:	05/22/2024
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/22/2024
Course Description and Course Note:	ARCH 143 concentrates on the conceptual interior design development phase for commercial structures. The student develops professional level drawings and models to describe the characteristics of commercial interior space and construction techniques of the interior architectural structure as informed by the applicable building codes and sustainability requirements. The design process includes building and program analysis, space planning, furniture design, lighting design, colors and textures, accessories, and final presentation as applicable for commercial projects. Students will learn typology of the commercial projects, methods of applying design elements and principles to these spaces.
Justification:	Mandatory Revision
Academic Career:	• Credit
Author:	• David D Martin

Academic Senate Discipline

Primary Discipline:	• Architecture
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

☐ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Pending

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	108
Total Course Out-of-Class Hours	54
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

☐ Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	1.5	3
Laboratory Hours	4.5	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	27
Laboratory	81
Studio	0

Total	108

Course Out-of-Class Hours

Lecture	54
Laboratory	0
Studio	0
Total	54

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

ARCH141 - Interior Design (in-development)

Objectives
- Complete a series of basic floor plan designs.
- Demonstrate a familiarity with various architectural styles.
- Complete projects dealing with the arrangement of furniture, floor and window treatments, lighting and accessory planning.
- Prove familiarity with basic design elements.
- Demonstrate a familiarity with a selected technical vocabulary.
- Demonstrate a familiarity with a selected portion of the uniform building code.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture

Methods of Instruction	Laboratory

Methods of Instruction	Multimedia

Methods of Instruction	Independent Study

Methods of Instruction	Field Activities (Trips)

Methods of Instruction	Guest Speakers

Out of Class Assignments

- Site observation (e.g. visits to local building sites and reports on possible design choices)
- Individual and group projects (e.g. demographic research projects)
- Written research (e.g. market analysis and study)

Methods of Evaluation

Methods of Evaluation	Rationale
Exam/Quiz/Test	Midterm examination (e.g. written questions and a performance-based drawing project)
Exam/Quiz/Test	Final examination (e.g. written questions and a performance-based drawing project)
Project/Portfolio	Portfolio review and critique (e.g. a critique of all the work that the student has accomplished during the course)

Textbook Rationale

These are the latest editions of the text available.

Textbooks

Author	Title	Publisher	Date	ISBN
Piotrowski, Christine M.	Designing Commercial Interiors	Wiley	2016	978-1118882085
Maryrose McGowan	Specifying Interiors : A Guide to Construction and FF&e for	Wiley	2006	978-0471692614

Residential and Commercial
Interiors Projects

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Describe the design principles for interior spaces of commercial buildings.

Analyze the building and the client's market needs to develop a design concept.

Develop design concept sketches and drawings to describe the characteristics of the interior space of a project.

Describe the effects of the design due to building code and construction factors.

Develop branding and market analyses for the commercial space.

SLOs

Evaluate marketing and demographic research and analysis to cover cultural and business aspects of the overall commercial project.

Expected Outcome Performance: 70.0

ILOs Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
ARCH Architectural Drafting and Design	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.
ARCH Architectural Drafting & Design - Certificate	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.

Identify and evaluate design elements for overall human psychological behavioral considerations and environmental sustainability.

Expected Outcome Performance: 70.0

ILOs Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

ARCH Architectural Drafting & Design - Certificate	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.
ARCH Architectural Drafting and Design	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.

Document the project showing various views that fully describe the project.   Expected Outcome Performance: 70.0

ILOs Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
ARCH Architectural Drafting and Design	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.
ARCH Architectural Drafting & Design - Certificate	Demonstrate skills in the production of working drawings of residential and commercial structures; discuss how design/drawing techniques, application of the International Building Code (IBC), building construction techniques, and other standards affect the design of their structure.

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Space Planning and Design Principles of Buildings (12 Hours)
- Commercial space programming using adjacency matrices and functional zoning diagrams
- Floor plan development
- Interior code requirements for commercials buildings
- Design principles and elements applied to commercial interiors

Materials and Technologies (5 Hours)
- Lighting design
- Furniture design
- Materials and texture analyses

Documentation of the Project (5 Hours)
- Floor plans and its analyzes
- Interior elevations and section
- Reflected ceiling plan
- Technical drawings and analysis for furniture design

Project Visualization (5 Hours)
- Developing design ideas using hand sketching process
- 3D digital visualization (Sketch-up, Autodesk Revit or Rhino)
- Physical model building using laser cutting and 3D printing technologies

- Project presentation and board design techniques

Total Hours: 27

Laboratory/Studio Content

Space Planning and Design Principles of Buildings (25 Hours)
- Commercial space programming using adjacency matrices and functional zoning diagrams
- Floor plan development
- Interior code requirements for commercials buildings
- Design principles and elements applied to commercial interiors

Materials and Technologies (18 Hours)
- Lighting design
- Furniture design
- Materials and texture analyses

Documentation of the Project (18 Hours)
- Floor plans and its analyzes
- Interior elevations and section
- Reflected ceiling plan
- Technical drawings and analysis for furniture design

Project Visualization (20 Hours)
- Developing design ideas using hand sketching process
- 3D digital visualization (Sketch-up, Autodesk Revit or Rhino)
- Physical model building using laser cutting and 3D printing technologies
- Project presentation and board design techniques

Total Hours: 81

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liason?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No Value

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

No Value

If additional resources are needed, add a brief description and cost in the box provided.

No Value