

ARCH109 : Sketching Techniques for Architects and Interior Designers

General Information

Author:	<ul style="list-style-type: none">David D Martin
Course Code (CB01) :	ARCH109
Course Title (CB02) :	Sketching Techniques for Architects and Interior Designers
Department:	ARCH
Proposal Start:	Spring 2025
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) :	CCC000651639
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 109 covers tools, materials, and techniques for producing sketches for architectural projects. The student will apply techniques to accurately render plans, elevations, sections, and interior and exterior views. Drawings will be in 2D, perspective, and axonometric formats. This course uses step -by-step techniques to introduce architecture and interior design students to the fundamentals of freehand sketching.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Author:	<ul style="list-style-type: none">David D Martin

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Architecture
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08) Course is not a basic skills course. <input type="checkbox"/> 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 <ul style="list-style-type: none">Grade with Pass / No-Pass Option Course Support Course Status (CB26) Course is not a support course
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Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

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
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No Value	No Value	No Value	No Value
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Pre-requisites, Co-requisites, Anti-requisites and Advisories

Advisory

ARCH101 - Drafting And Basic Design (in-development)

Objectives

- Describe the meaning of basic architectural vocabulary terms.
- Demonstrate proficiency in drawing on vellum and in the use of drawing instruments by the completion of various drawing assignments.
- Describe limited examples of the use of the International Building Code as it applies to residential construction.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture
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Methods of Instruction	Laboratory
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Methods of Instruction	Multimedia
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Methods of Instruction

Field Activities (Trips)

Methods of Instruction

Guest Speakers

Methods of Instruction

Presentations

Out of Class Assignments

- Site observation (e.g. visits to local building sites for real-world sketching exercises)
- Practice of measurement techniques (e.g. exercises using different measuring devices)
- Project development (e.g. exercises in the development of an architectural and interior design project)

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 available.

Textbooks**Author****Title****Publisher****Date****ISBN**

Yanes, Magali Delgado

Freehand Drawing for
Architects and Interior
DesignersW. W. Norton &
Company, Inc.

2005

978-0393731798

Stephanie Travis

Sketching for Architecture +
Interior DesignLaurence King
Publishing

2015

9781780675923

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

No Value

Materials Fee

No value

Learning Outcomes and Objectives**Course Objectives**

Sketch exterior and interior spaces of the buildings.

Analyze the design process through sketches.

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

Complete and present projects by using various drawing techniques and media; to sketch architectural and interior spaces, urban space, and furniture and accessories.

SLOs

Demonstrate multiple drawing techniques to accurately render interior and exterior architectural features. Expected Outcome Performance: 70.0

<i>ILOs</i> 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.
<i>ARCH</i> 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.
	Develop a portfolio of student work (this portfolio will show the student's best work from different classes within the department, discuss building construction techniques, principles, and building code)
<i>ARCH</i> 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.
	Develop a portfolio of student work (this portfolio will show the student's best work from different classes within the department, discuss building construction techniques, principles, and building code)

Develop design concept sketches and drawings to describe the characteristics of a project. Expected Outcome Performance: 70.0

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	Develop a portfolio of student work (this portfolio will show the student's best work from different classes within the department, discuss building construction techniques, principles, and building code)

Present an architectural project showing all required interior and exterior features and design concepts with its associated development processes. 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.

Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.

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.

Develop a portfolio of student work (this portfolio will show the student's best work from different classes within the department, discuss building construction techniques, principles, and building code)

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.

Develop a portfolio of student work (this portfolio will show the student's best work from different classes within the department, discuss building construction techniques, principles, and building code)

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

Materials, Tools and Graphic Resources (12 Hours)

- Materials, instruments, and accessories (graphite, ink, paper, and accessories)
- Observing, analyzing and representing (the gesture and hand, position and body posture)
- Line, graphic alphabet, shading, texture, light
- Dimensioning, lettering, and composition of the drawing

Components of a Dimensioned Sketch (5 Hours)

- Systems of representation
- Fundamentals of axonometry
- Dimensioned sketching in axonometric perspective
- Scale and level of detail
- Using dimensional sketches in interior and exterior spaces

Idea Sketch and Analysis of Architectural Forms (5 Hours)

- Architectural views (perspective, layouts, orthographic projections)
- The idea sketch in architecture
- Analysis and simulation

Thumbnail Sketch and Space in Architecture (5 Hours)

- The drawing and expression of architectural concept
- Elementary architectural concepts of interior space
- Fundamental concepts of exterior space
- The urban landscape and its components
- Process from concept to drawing

Total Hours: 27

Laboratory/Studio Content

Materials, Tools and Graphic Resources (25 Hours)

- Materials, instruments, and accessories (graphite, ink, paper, and accessories)
- Observing, analyzing and representing (the gesture and hand, position and body posture)
- Line, graphic alphabet, shading, texture, light
- Dimensioning, lettering, and composition of the drawing

Components of a Dimensioned Sketch (18 Hours)

- Systems of representation
- Fundamentals of axonometry
- Dimensioned sketching in axonometric perspective
- Scale and level of detail
- Using dimensional sketches in interior and exterior spaces

Idea Sketch and Analysis of Architectural Forms (18 Hours)

- Architectural views (perspective, layouts, orthographic projections)
- The idea sketch in architecture
- Analysis and simulation

Thumbnail Sketch and Space in Architecture (20 Hours)

- The drawing and expression of architectural concept
- Elementary architectural concepts of interior space
- Fundamental concepts of exterior space
- The urban landscape and its components
- Process from concept to drawing

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 liaison?

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