# ARCH109 : Sketching Techniques for Architects and Interior Designers

## General Information

| | |
|---|---|
| **Author:** | • 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) :** | CCC000606825 |
| **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:** | • 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 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 |
|---|---|---|---|
| No Value | No Value | No Value | No Value |

## 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 |
|---|---|

| Methods of Instruction | Laboratory |
|---|---|

| Methods of Instruction | Multimedia |
|---|---|

| 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 lates editions available.

## Textbooks

| Author | Title | Publisher | Date | ISBN |
| --- | --- | --- | --- | --- |
| Yanes, Magali Delgado | Freehand Drawing for Architects and Interior Designers | W. W. Norton & Company, Inc. | 2005 | 978-0393731798 |
| Stephanie Travis | Sketching for Architecture + Interior Design | Laurence 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

| | |
|---|---|
| *ILOs*<br>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*<br>Architectural Drafting &<br>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) |
| *ARCH*<br>Architectural Drafting<br>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<br>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<br>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<br>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 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