

Glendale College

Course Outline of Record Report

Course ID 010554
Archived - September 2025

STV153 : Drafting and Basic Design Mirrored Course

General Information

Author:	<ul style="list-style-type: none"> Kimberli Perner
Course Code (CB01) :	STV153
Course Title (CB02) :	Drafting and Basic Design Mirrored Course
Department:	STV
Proposal Start:	Fall 2022 (Fall 2026)
TOP Code (CB03) :	(1302.00) Interior Design and Merchandising
CIP Code:	(50.0408) Interior Design.
SAM Code (CB09) :	C - Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000624467
Curriculum Committee Approval Date:	09/24/2025
Board of Trustees Approval Date:	Pending
Last Cyclical Review Date:	02/01/2021
Course Description and Course Note:	STV 153 is a mirrored course for ARCH 101 that offers limited seating through noncredit. It covers the fundamentals of drafting techniques used in architectural drawing, and the basic design procedure relative to good residential planning. The course studies residential building codes, drafting of working drawings, scale drawings of construction details, framing concepts, and proper dimensioning techniques. Lecture 27 hours/Laboratory 81 hours.
Justification:	<p>New Course</p> <p>This course was archived in the catalog and PeopleSoft in Fall 2026. I could not change the proposal start.</p>
Academic Career:	<ul style="list-style-type: none"> Noncredit
Mode of Delivery:	No value
Author:	No value
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"> Vocational (short-term): Non-Credit
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

- Pass / No-Pass Only

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Not transferable

Transferability Status

Not transferable

Units and Hours

Summary

Minimum Credit Units (CB07)	0
Maximum Credit Units (CB06)	0
Total Course In-Class (Contact) Hours	108
Total Course Out-of-Class Hours	0
Total Student Learning Hours	108

Credit / Non-Credit Options

Course Type (CB04)

Non-Credit

Noncredit Course Category (CB22)

Short-Term Vocational.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Other Non-Credit Enhanced Funding.

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	27	0
Laboratory Hours	81	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	27

Laboratory	81
Studio	0
Total	108
Course Out-of-Class Hours	
Lecture	0
Laboratory	0
Studio	0
Total	0

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

Prerequisites, Corequisites, Recommended Corequisites, and Recommended Preparation

Advisory

ART130 - 2-D Foundations

Objectives

- demonstrate a working knowledge of the basic elements of a two-dimensional art, including line, shape, texture, value, color, and spatial illusion;

AND

Advisory

ESL141 - Grammar And Writing IV

Objectives

- Compose a 400 to 450-word thesis-based essay which: (a) summarizes and cites appropriately a reading passage provided as a prompt, (b) includes a clear thesis statement, (c) uses evidence to support the thesis, (d) shows clear organization into an introduction, body, and conclusion, and (e) uses appropriate rhetorical modes such as comparison/contrast, cause/effect, and persuasion in order to support a thesis.

OR

Advisory

ENGL100 - *Writing Workshop

Entry Standards	
Entry Standards	Description
demonstrate a working knowledge and understanding of the organizing principles of two-dimensional art, including balance, proportion, repetition, contrast, harmony, unity, point of emphasis, and visual movement;	ART 130
independently produce visual compositions and problem-solving projects that successfully incorporate the basic elements and organizing principles of two-dimensional art;	ART 130
make individual aesthetic decisions and judgments related to their own artwork;	ART 130
skillfully use a variety of artistic materials, techniques and tools;	ART 130
translate ideas and visual experience into images using both formal and conceptual approaches;	ART 130
discuss, critique and evaluate their own two-dimensional compositions, as well as those of their classmates;	ART 130
discuss and write a critical evaluation of two-dimensional art using the appropriate vocabulary and terminology pertaining to the basic elements and organizing principles of two-dimensional art;	ART 130
examine, compare and analyze historical and contemporary examples of two-dimensional art, within a global context.	ART 130
Read, analyze, and evaluate contemporary articles and stories to identify topic, thesis,	ENGL 100

support, transitions, conclusion, audience, and tone;	
read, analyze, and evaluate contemporary articles and stories for the comprehension of difficult content and the identification of main ideas and (topic-based) evidence;	ENGL 100
read, analyze, and evaluate student compositions for unity, development, use of evidence, interpretation, coherence, and variety of sentence form;	ENGL 100
write a summary of a contemporary article or story with correct citation techniques;	ENGL 100
write an argumentative essay that has an introduction, body paragraphs, and a conclusion, demonstrating a basic understanding of essay organization;	ENGL 100
write an argumentative essay that addresses the topic, is directed by a thesis statement, uses appropriate textual evidence, develops logical interpretations, and concludes with some compelling observations;	ENGL 100
write an argumentative essay that integrates the ideas of others (i.e., authors) through paraphrasing, summarizing, and quoting with correct citation techniques;	ENGL 100
write an argumentative essay that generates novel ideas (those that add to the conversation rather than repeating the author's ideas) related to the topic and the readings;	ENGL 100
write compositions (e.g., summaries and argumentative essays) that are easy to read and follow, though some errors in grammar, mechanics, spelling, or diction may exist;	ENGL 100
proofread and edit essays for content, language, citation, and formatting problems	ENGL 100

Course Limitations

Cross Listed or Equivalent Course	Description
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ARCH 101 Drafting and Basic Design	No Value
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Specifications

Methods of Instruction

Methods of Instruction Lecture

Methods of Instruction Laboratory

Methods of Instruction Multimedia

Methods of Instruction Guest Speakers

Out of Class Assignments

essay (e.g. write a description of job requirements for a drafter/designer and explain why these are necessary);
group projects (e.g. complete a design project such as a kitchen including cabinetry design).

Methods of Evaluation

Description of Activity/Interaction

Exam/Quiz/Test	vocabulary quizzes. (e.g. eight quizzes of 10 terms each);
Exam/Quiz/Test	midterm examination and performance test. (e.g. timed drawing test of a basic architectural project);
Exam/Quiz/Test	final individual project. (e.g. drawings of a two-bedroom project with eight sheets of working drawings);
Exam/Quiz/Test	final examination and performance test. (e.g. timed drawing test of a small residential project consisting of a floor plan, elevation and foundation detail).

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Osama,Wakita	The Professional Practice of Architectural Working Drawings	New York: John Wiley	2017	9781118880524

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

No Value

Learning Outcomes

Course 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.

SLOs

Evaluate a building by using the International Building Code for purposes of ensuring the safety of the building occupants.

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.
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<i>STV</i> Drafting and Basic Interior Design Certificate	Plan for continuation in the architectural skill award certification in any of these three areas: computer aided design, architectural design, and architectural visualization.
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<i>STV</i> Drafting and Basic Interior Design Certificate	Prepare to enter the workforce as an entry level architectural and/or interior designer technician.
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Describe the tools and techniques necessary to draw a typical view of a residential structure using a Computer Aided Design (CAD) software program.

Expected Outcome Performance: 70.0

<i>ILOs</i> 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.
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<i>STV</i> Drafting and Basic Interior Design Certificate	Plan for continuation in the architectural skill award certification in any of these three areas: computer aided design, architectural design, and architectural visualization.
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Describe the architectural terminology that are used in a typical architectural project.

Expected Outcome Performance: 70.0

<i>ILOs</i> 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.
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<i>STV</i> Drafting and Basic Interior Design Certificate	Prepare to enter the workforce as an entry level architectural and/or interior designer technician.
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Course Content

Lecture Content

Introduction to the Study of Architecture (4 hours)

- Function and design of a residential structure
- Basic purpose of shelter
- Room sizes
- Traffic patterns within the home
- Building code requirements
- Architectural terminology
- Styles of architecture
- Past/Historic styles
- Present trends
- Architectural practice
- Drafter/designer
- Architect
- Engineer

Architectural Symbols (1 hours)

- Material symbols
- Interior section symbology
- Exterior materials
- Electrical and plumbing symbols
- Door and window types and symbols

Projection Methods (2 hours)

- Visualization practice
- Orthographic projection
- Isometric projection
- Discussion of perspective projection

Architectural Lettering (1 hours)

- Lettering styles and practice
- Dimensioning

Construction Techniques (4 hours)

- Wood framing methods
- Concrete foundation
- Application of finish materials
- Roughing in plumbing and electrical fixtures
- Building code requirements

Building Materials and Components (3 hours)

- Wood, stone, steel, concrete, brick, adobe
- Uses
- Limitations
- Reference manufacturer sources
- Sweet's catalog
- Other manufacturer's sources
- Use of the Internet for research

Orientation of the Home (1 hours)

- Effects of weather and sunlight
- Setback and size limitations
- Zoning and economics

Architectural Working Drawings (4 hours)

- Title sheet
- Site plan
- Floor plan
- Foundation plan
- Foundation details
- Section views
- Electric plan
- Framing plan
- Exterior elevations

Architectural Renderings (1 hours)

- Proper use of pencils and other media used in architecture
- Sketching and delineation of architectural forms
- Landscape forms

Use of the AutoCAD Computer Aided Design (CAD) (5 hours)

- SoftwareUse of CAD tools used in architectural drafting
 - Placing lines
 - Adding dimensions
 - Use of layers
 - Creating and using blocks
 - Proper scale for various architectural drawings
 - Use of hatch patterns
 - Placing text
 - Use of the array tool
 - Printing the drawing

Presentation of Final Project (1 hours)

- Portfolio of completed drawings
- Rendering of display drawings
- Purpose of architectural models
- Study models
- Finished models
- Computer models
- Final critique

Total hours 27**Laboratory/Studio Content****Introduction to the Study of Architecture (1 hours)**

- Function and design of a residential structure
- Basic purpose of shelter
- Room sizes
- Traffic patterns within the home
- Building code requirements
- Architectural terminology
- Styles of architecture
- Past/Historic styles
- Present trends
- Architectural practice
- Drafter/designer

- Architect
- Engineer

Architectural Symbols (4 hours)

- Material symbols
- Interior section symbology
- Exterior materials
- Electrical and plumbing symbols
- Door and window types and symbols

Projection Methods (5 hours)

- Visualization practice
- Orthographic projection
- Isometric projection
- Discussion of perspective projection

Architectural Lettering (4 hours)

- Lettering styles and practice
- Dimensioning

Construction Techniques (6 hours)

- Wood framing methods
- Concrete foundation
- Application of finish materials
- Roughing in plumbing and electrical fixtures
- Building code requirements

Building Materials and Components (8 hours)

- Wood, stone, steel, concrete, brick, adobe
- Uses
- Limitations
- Reference manufacturer sources
- Sweet's catalog
- Other manufacturer's sources
- Use of the Internet for research

Orientation of the Home (4 hours)

- Effects of weather and sunlight
- Setback and size limitations
- Zoning and economics

Architectural Working Drawings (34 hours)

- Title sheet
- Site plan
- Floor plan
- Foundation plan
- Foundation details
- Section views
- Electric plan
- Framing plan
- Exterior elevations

Architectural Renderings (2 hours)

- Proper use of pencils and other media used in architecture
- Sketching and delineation of architectural forms

- Landscape forms

Use of the AutoCAD Computer Aided Design (CAD) (9 hours)

- SoftwareUse of CAD tools used in architectural drafting
 - Placing lines
 - Adding dimensions
 - Use of layers
 - Creating and using blocks
 - Proper scale for various architectural drawings
 - Use of hatch patterns
 - Placing text
 - Use of the array tool
 - Printing the drawing

Presentation of Final Project (4 hours)

- Portfolio of completed drawings
- Rendering of display drawings
- Purpose of architectural models
- Study models
- Finished models
- Computer models
- Final critique

Total hours 81