



ART 241 Architectural Drafting

Fort Hays State University
College of Arts, Humanities, & Social Sciences
Department of Art & Design
Colin Schmidtberger

1. COURSE INFORMATION

- ART 241 Architectural Drafting
- 3 Credit Hours
- Spring 2024
- AD 101 & 106
- MWF 8:30-10:20

2. INSTRUCTOR INFORMATION

2.1. Instructor Contact Information

- Colin Schmidtberger
- Instructor of Interior Design & Gallery Director, Moss-Thorns & Patricia A. Schmidt Galleries
- AD Room 113
- cjschmidtberger3@fhsu.edu
- (785) 628-5829

2.2. Contact Procedure and Policy: E-mail me with any questions and I will do my best to answer within 24 hours.

2.3. About the Instructor:

- Education Background: Master of Fine Arts in Interior Design from Brenau University; Graduate Certificate in Planning and Design of Healthcare Environments from Ball State University; Master of Liberal Studies in Art from Fort Hays State University; Bachelor of Fine Arts in Interior Design from Fort Hays State University; Certificate of Construction Management Technology from Fort Hays State University.
- Teaching Background: Instructor in the Art & Design department at Fort Hays State University 2019-present; Adjunct Instructor at Fort Hays State University 2018-2019; Graduate Teaching Assistant at Fort Hays State University 2017-2018

2.4. Graduate Teaching Assistant or Department Administrative Assistant Contact Information (if applicable)

- Lauren Sargent
- Administrative Assistant

- AD 119
- M-F 8-4:30pm
- Itsargent@fhsu.edu or Art&Design@fhsu.edu
- (785) 628-4247

3. TEXTBOOK AND COURSE MATERIALS

3.1. Required Textbook(s): None

3.2. Supplementary Book(s) and Article(s):

- Architectural Graphics, (Francis D.K. Ching, Van Nostrand Reinhold, ISBN-10: 111903566X, ISBN-13: 978-1119035664)
- Interior Graphic Standards, (Kelsey Kruse, Maryrose McGowan, ISBN-10: 047140568X, ISBN-13: 978-0471405689)
- Others are given out when necessary.

3.3. Required Materials:

- SSD Card:
 - [SSD Option 1](#)
 - [SSD Option 2](#)
 - [SSD Card Carrying Case](#)
- Tackle Box to hold materials. (optional but recommended)
- Given to students through Lab Fees.
- Small outside purchases may be required to finish projects.

3.4. Technology Requirement:

All students enrolled at Fort Hays State University are expected to have a computer* for use in a variety of university learning experiences. ****On-campus students are expected to have a laptop to ensure mobility.***

TigerTech only assists with accessing and using FHSU-hosted systems and University-owned equipment. FHSU does not sell computers and does not provide computer repair for student devices.

- **Hardware at FHSU:** To meet basic security, networking, and upgrade requirements, your computer should be running Windows 7 (or newer) or Mac OS X (or newer). Ideally, your computer's warranty should be supported by the manufacturer throughout your college career. Chromebooks and iPads are not recommended for use as your primary device due to limited functionality. Ask your instructor or academic department to learn about any specific technology requirements that may apply to each course in which you are enrolled.
- **ID Department:** A personal laptop is not required in the ID department, but if you would like a personal laptop, please reach out to your professor to receive the proper laptop requirements before ordering your laptop.
- **Software:** Enrolled students at FHSU can take advantage of a variety of options to get FREE and/or discounted software for use on personal devices at www.fhsu.edu/tigertech/software/.

If you have any technical issues, contact FHSU TigerTech at 785-628-3478, and notify to the instructor.

3.5 **Printer Usage:** The printer (ink & paper) for presentation boards will be provided to you as a student. If the printer is misused, this privilege will be revoked. The cost of printing boards outside of the classroom is substantially more expensive than the fee that allows students to use this printer. The

printer will be monitored closely, so be respectful and take care of it or the privilege to use the printer will be taken away.

4. COURSE DESCRIPTION

- 4.1. FHSU Catalogue Description: Exploration of architectural drawing and use of traditional symbols.
- 4.2. Instructor Course Description: Understanding architectural drawings and the construction of architectural building design utilizing traditional and technological techniques.

5. COURSE OBJECTIVES

5.1. Professional Standards:

- Standard 9: Communication: Interior designers are effective communicators.
 - *Intent: This standard ensures that graduates are effective communicators and are able to deliver a compelling presentation visually and verbally, as well as in writing. Design communication also involves the ability to listen to and interpret external information. Effective communication builds a case, promotes validity, and is persuasive in content and style.*
- Standard 15: Construction: Interior designers understand interior construction and its interrelationship with base building construction and systems.
 - *Intent: This standard ensures graduates have an understanding of the documentation, specification, environmental impact, and application of non-load bearing interior construction methods, systems, and details. Graduates should consider the interrelationship of base-building construction to interior construction.*
- Standard 16: Regulations and Guidelines: Interior designers apply laws, codes, standards, and guidelines that impact human experience of interior spaces.
 - *Intent: This Standard ensures graduates understand their role in protecting the health, safety, and welfare of building occupants and the various regulatory entities that impact practice. Graduates should apply the laws, codes, standards, and guidelines impacting the development of solutions throughout the design process.*

5.2. Course Objectives:

- Gain an understanding of housing layouts and flow patterns.
- Become skilled in mechanical drawing as a means of communication.
- Understand the basics of the Autodesk Revit software.
- Understand basic concepts and techniques that allow for enhancement as a visual presentation.
- Hand draft and computerize floor plans, elevations, reflected ceiling plans, furniture overlay, and understand symbols in a construction plan.

5.3. Prerequisites: None

5.4. Course Expectations: To leave this course with an understanding of creating and reading architectural/construction plans.

6. TEACHING, LEARNING METHODS, & COURSE STRUCTURE

6.1. Delivery Method: In-person Course

6.2. Instructional Approach: Direct Instruction

6.3. Course Structure: Lectures, projects, and demonstrations.

7. COURSE SCHEDULE

This schedule is tentative and might change during the semester depending on how the course evolves. The content is subject to change depending on students' interests and progress. Students will be notified of the changes through announcements either in the class or at the Blackboard course site. If time is mentioned in the course, it refers to the Central Time Zone.

Weeks	Monday	T	Wednesday	T	Friday
Week 1	No Class		1/17/2024		1/19/2024
Terminology, Codes, Standards Architectural Lettering #1 Doors & Windows (1)					
Week 2	1/22/2024		1/24/2024		1/26/2024
Terminology, Codes, Standards Architectural Lettering #2 Doors & Windows (2-4) Quiz #1 1/26/2024 Sketchbook Review #1					
Week 3	1/29/2024		1/31/2024		2/2/2024
Terminology, Codes, Standards Architectural Lettering #3 & Title Blocks #1 Profiles (5) Walls, Floors, & Ceilings (6-7) Quiz #2 2/2/2024 Sketchbook Review #2					
Week 4	2/5/2024		2/7/2024		2/9/2024
Terminology, Codes, Standards Architectural Lettering #4 & Title Blocks #2 Walls, Floors, & Ceilings (8-9) Pulls, Knobs, Handles (10) Quiz #3 2/9/2024 Sketchbook Review #3					
Week 5	2/12/2024		2/14/2024		2/16/2024
Terminology, Codes, Standards Pulls, Knobs, Handles (11) Stairs (12-13) Quiz #4 2/16/2024 Sketchbook Review #4					
Week 6	2/19/2024		2/21/2024		2/23/2024
Terminology, Codes, Standards Stairs (14-15) RCP (16) Quiz #5 2/23/2024 Sketchbook Review #5					

Week 7	2/26/2024		2/28/2024		3/1/2024
Terminology, Codes, Standards Furniture & Cabinetry (17-18) Exam #1 3/1/2024 Sketchbook Review #6					
Week 8	3/4/2024		3/6/2024		3/8/2024
Revit Terminology Introduction to Revit Revit Project (1) Sketchbook Review #7					
Spring Break	3/11/2024		3/13/2024		3/15/2024
Spring Break					
Week 9	3/18/2024		3/20/2024		3/22/2024
Revit Terminology Revit Project (2-5) Revit Quiz #1 3/22/2024 Sketchbook Review #8					
Week 10	3/25/2024		3/27/2024		3/29/2024
Revit Terminology Revit Project (6-9) Sketchbook Review #9					
Week 11	4/1/2024		4/3/2024		4/5/2024
Revit Terminology Revit Project (10-12) Revit Quiz #2 4/5/2024 Sketchbook Review #10					
Week 12	4/8/2024		4/10/2024		4/12/2024
Revit Project (13-15)					
Week 13	4/15/2024		4/17/2024		4/19/2024
Revit Project (16-17)					
Week 14	4/22/2024		4/24/2024		4/26/2024
Revit Project (18) Using Enscape					
Week 15	4/29/2024		5/1/2024		5/3/2024
Using Enscape Revit Project Due 5/3/2024					
Week 16 – Finals Week			5/8/2024		
Revit Exam Revit Project Review					

8. ASSIGNMENTS AND GRADING SCALE

There are 1230 points for this course. The grade you earn for this course depends on the total number of points you earn throughout the semester. The assessment methods and grading scale are as follows:

Assignments	Total Unit Points
Sketchbook	100
Drafting Projects (18 <i>projects</i> x 20pts)	360
Lettering & Title Blocks	60
Quizzes (5)	50
Exam #1	100
Revit Quiz #1	50
Revit Quiz #2	50
Revit Project (18 <i>steps</i> x 20pts)	360
Revit Exam	100
Total Points	1230

* Additional projects and points may be available throughout the semester

- = A (90% and above) ABOVE EXCELLENT
- = B (80%–89%) EXCELLENT
- = C (70%–79%) AVERAGE
- = D (60%–69%) BELOW AVERAGE
- = U (below 60%) FAILING

• **GRADING PROCEDURES**

- Grading will be based on assignment requirements. Projects will be evaluated according to your comprehension and application of architectural hand and computerized drawings. **All projects must be submitted and accepted to receive a grade of “C” or better in the course.**

9. STUDENT HELP RESOURCES

Students have access to academic services, technical support, and student services at Fort Hays State University. You can find the resources online at [FHSU Blackboard Student Tutorials](#)

For more information, you can contact TigerTech at 785-628-3478 or [FHSU TigerTech](#)

10. COURSE POLICIES

10.1. Class Attendance: Attendance will be taken at the beginning of every class period. Attendance is mandatory. **A maximum of 3 absences (excused or unexcused) will be allowed. For every absence over 3, I will reduce your final grade by 5 points.**

Tardy 3 times will count as one absence. I will take role at the beginning of each class. If you are not in the classroom when role is taken you will be counted as tardy.

You are welcome to email me or call if you are sick or unable to attend class (cjschmidtberger3@fhsu.edu or (785) 628-5829). **Please contact Student Affairs at (785) 628-4276 and they will formally notify all of your instructors. A doctor or medical documentation is the only way to receive a formal exception to class attendance.**

If you miss a class, you are responsible for making up that time. If notes or an

assignment were given, you are responsible for getting them. If it was a studio day, you are responsible for making up that time. If an assignment was due on the day you missed with an excused absence, it will be due the next day. If the day you missed was unexcused, your assignment will be due the next day and a letter grade will be deducted. *Exchange phone numbers with classmates around you!* **Do not e-mail me asking me what you have missed. Please refer to the course timeline. Call a classmate. Discuss missed information at the next class period.**

- 10.2. Class Participation: Participation in class discussion is required.
- 10.3. Assignment Due Date: Unless otherwise noted, projects and exercises will be due at the beginning of the class period for which they are assigned. **If the deadline is not met, 10 points will be deducted from the project for two days past the deadline.** The project **WILL NOT** be accepted after one week.
- 10.4. Procedures for Assignment Submission: Assignments will be turned in either in person or on the class Google shared drive.
- 10.5. Test Make-up: If an exam cannot be taken on that date it will need to be taken beforehand if possible. If not, then it will be taken as soon as possible.
- 10.6. Bonus Points or Extra Credit: None
- 10.7. Collaboration Procedures: If a group project is presented, every person is required to participate in the collaboration.

11. UNIVERSITY POLICIES

- 11.1. [Academic Honesty](#)
- 11.2. [Attendance](#)
- 11.3. [Withdrawal](#)
- 11.4. [Student Accessibility Services](#)
- 11.5. [Kelly Center Support Services](#)
- 11.6. [Title IX Policy](#)

FHSU is committed to fostering a safe and productive learning environment. Title IX makes it clear that violence and harassment based on sex, gender, and gender identity are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. This includes all types of gender and relationship violence, sexual harassment, sexual misconduct, domestic and dating violence, and stalking. If you wish to report an incident or have questions about school policies and procedures regarding Title IX issues, please contact Amy Schaffer, University Compliance Officer and the FHSU Title IX Coordinator, at alschaffer@fhsu.edu or (785) 628-4175. The Compliance Officer can help connect you to campus and outside resources, discuss all of your reporting options, and assist with any concerns you may have.

- 11.7. [Career Services](#)
- 11.8. [Technology Services](#)
- 11.9. [Smarthinking](#)