

IND2460C - Computer Applications in 3D Design

Syllabus - Spring 2021

Credit Hours: **3**

Instructor:

Shabboo Valipoor

Email: sh.valipoor@ufl.edu

Online Office Hours: M, W (11:00 AM - 12:00 PM)

Phone: 352-294-1451

Zoom Link: TBA

Teaching Assistant:

Xu Jin

Email: xjin1011@ufl.edu

Class Meeting time:

Section 11D4: M, W (3:00 PM - 4:55 PM)

Section 06AB: M, W (5:10 PM - 7:05 PM)

Class Location:

Online: <http://elearning.ufl.edu>

In-person: ARCH 116

Course Communications:

Class resources, announcements, updates, and assignments will be made available through Canvas. The preferred method of communication in this course is email. If you have any questions before the next class meeting, send it to the instructor and assistant via Canvas message or ufl email. To meet the instructor during her office hours, you will need to schedule a specific time through e-mail. Include course # in the email subject line.

Reading Materials:

No textbook is required for this course. Appropriate handouts, guidelines, project examples, and online references will be made available through Canvas.

Materials and Supplies Fees:

There are no materials and supplies fees required for this course during this semester.

Course Description:

This course introduces several important graphics applications that designers use within the design process. Students will learn how to model building interiors using two- and three-dimensional applications. You will also investigate why and when specific applications support the various stages of the design process.

Prerequisite Knowledge and Skills:

This course does not have any pre-requisites. You will build on the knowledge that you gained through IND 2313 Interior Design Communication Systems.

Course Objectives:

Specific educational goals of this course are derived from the Council for Interior Design Accreditation (CIDA) Standards:

- Students are able to apply a variety of communication techniques and technologies appropriate to a range of purposes and audiences. (9e)
- Students' works demonstrate the ability to explore two- and three-dimensional approaches across a range of media types. (11b)
- Students' works demonstrate the ability to appropriately use color solutions across different modes of design communication. (12l)

Instructional Methods:

Learning in this course will occur mainly through presentations and demonstrations, in-class exercises and discussions, as well as assignments and projects. Three projects and a series of assignments are designed to meet student learning outcomes. Some assignments will be started in class and finished outside of class time to make sure students are on the right track in following the instructions. In addition, depending on the topic, students will be assigned to in-class exercises and will be graded either by submitting their work to Canvas or sharing their screen with the instructor and other students. Being on time in all class meetings is necessary to be successful in completing exercises. If you are late to class, you are responsible for getting any information you missed and completing the assigned exercises.

Course Policies

Attendance Policy:

Each student is expected to be on time for class. Class "attendance" is measured both by the level of students' class participation and their physical presence whether online or in class. IND 2460C is an interactive course and needs your full attention for participation and completion of several in-class exercises. Students who attend via Zoom MUST have their videos on during the entire class time and MUST be sitting at a desk, table, or workstation. Absent students are responsible for obtaining the missed information and completing the assigned work. Up to 2 unexcused absences from class are allowed. Additional unexcused absences will result in the reduction of the course grade. Requirements for class attendance and assignments are consistent with university policies that can be found at:

<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>

Assignment Policy:

Assignments must be submitted to Canvas via the assignment page and any instructions detailed therein. Due dates are specified on the course calendar. All assignments - completed or incomplete - must be turned in on the due date and will be graded as they stand. Late submissions will receive 20% penalty for each day (or partial day) that the assignment is late.

Make-up Policy:

Students who can demonstrate that they were unable to submit an assignment by the deadline due to an excused absence and who can provide appropriate documentation for the absence will be given a reasonable period of time to make up the late work. Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Course Technology:

Access to and on-going use of a computer as well as a broadband connection to the internet are required for all students in this course. You will learn how to build and develop digital models using 2021 version of AutoCAD, Revit, and 3ds MAX (free educational license available through [autodesk.com](https://www.autodesk.com/education/edu-pricing)). Using a 3-button mouse with a center wheel-button is REQUIRED for this course. Trackpads alone do not support effective 3D navigation and will greatly increase the time required to complete your work. Choose an optical mouse that is comfortable to use. Other required and recommended hardware and software for IND students are listed here:

<https://dcp.ufl.edu/interior/ind-laptop-requirements/>

For technology related issues, the UF computing help desk can be reached at:

- <http://helpdesk.ufl.edu>
- (352) 392-HELP - select option 2

UF Policies

University Policy on Accommodating Students with Disabilities:

“Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.”

University Policy on Academic Conduct: UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge

is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Class Demeanor or Netiquette: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. Students must be respectful to one another, even when there are differing opinions. UF netiquette guidelines can be found at: [Netiquette Guide for Online Courses](#)

Consequences might negatively affect an assignment grade, or for very severe cases, a report to the university administration.

Class Recording:

Some of our class sessions may be audio visually recorded by Zoom. If you are unwilling to consent to have your video image or voice recorded, let the instructor know on the first day of class. I will make sure to keep your video off whenever recording via Zoom. Students will have access to the recorded videos only through course Canvas. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Getting Help

For issues with technical difficulties for Canvas, please contact the UF Help Desk at:

- <http://helpdesk.ufl.edu>
- (352) 392-HELP (4357)
- Walk-in: HUB 132 (check website for open hours)

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

Grading Policies

Methods by which students will be evaluated and their grade determined

The final grade will be based on your performance in the following activities (shown with their relative weights):

Category	Percentage of total grade
Assignments & exercises (AutoCAD & Revit)	45%
Revit Project	35%
3ds MAX Project	10%
Final Board	10%

Information on current UF grading policies for assigning grade points:

This course will follow the policies on the UF Undergraduate Catalog:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Grading Scale:

For further information on UF's Grading Policy, see: <http://www.isis.ufl.edu/minusgrades.html>

Grade	%	Grade points	Grade	%	Grade points
A	93-100	4.0	C	73-76.9	2.0
A-	90-92.9	3.67	C-	70-72.9	1.67
B+	87-89.9	3.33	D+	67-69.9	1.33
B	83-86.9	3.0	D	63-66.9	1.0
B-	80-82.9	2.67	D-	60-62.9	.67
C+	77-79.9	2.33	E	0-59	0.0

Course Schedule

Critical Dates:

Revit Project – Due: 3/31/2021

Final Board – Due: 4/12/2021

3dsMAX Project – Due: 4/21/2021

A Weekly Schedule of Topics and Assignments:

For detailed schedule of assignments and class activities, see course Schedule on Canvas.

Disclaimer: This schedule represents the current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity.

Online course evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. [Summaries of course evaluation results are available to students here](#).

Schedule - Spring 2021

WK	Date		Topics / Activities	Due
1	M	1/11	- Introduction to course & weekly assignments - AutoCAD basics	
	W	1/13	- 2D tools & commands	
2	M	1/18	MLK DAY / NO CLASS	
	W	1/20	- Floor plan commands	Brand Selection
3	M	1/25	- Floor plan commands	Assignment 1
	W	1/27	- Layers & furniture commands	
4	M	2/01	- Reflected ceiling commands & dimension	Assignment 2
	W	2/03	- Printing, scale	
5	M	2/08	- 3D modeling in ACAD - Arch	Assignment 3
	W	2/10	- 3D modeling in ACAD - Arch	
6	M	2/15	- 3D modeling in ACAD - Arch	Assignment 4
	W	2/17	- 3D modeling in ACAD - Furniture	
7	M	2/22	- Introduction to Revit	Assignment 5
	W	2/24	- Basic tools & commands in Revit	
8	M	3/01	- Modeling in Revit - Arch	Assignment 6
	W	3/03	- Modeling in Revit - Arch	
9	M	3/08	- Modeling in Revit - Arch	Assignment 7
	W	3/10	- Modeling in Revit - Furniture	
10	M	3/15	- Rendering in Revit	Assignment 8
	W	3/17	- Revit Project	
11	M	3/22	- Revit Project	

	W	3/24	- Project support	
12	M	3/29	- Layout design & project support	
	W	3/31	- Revit plug-ins and add-ons	Revit project
13	M	4/05	- Workday (IND pin-up)	
	W	4/07	- Introduction to 3ds MAX	
14	M	4/12	- Cameras, Furniture, Layers	Final board
	W	4/14	- Lighting	
15	M	4/19	- Materials	
	W	4/21	- Project support	3ds MAX Project

* This calendar is a general outline of the course. The instructor reserves the right to alter the course in response to academic conditions and opportunities.

Last update: 12/28/2020

The following statement applies to all face to face courses/sections:

We will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.

- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms.](#)
 1. Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies.](#)