

# VALENCIA COLLEGE

Department of Architecture  
Division of Arts and Humanities  
West Campus Bldg. 5, Rm 131 p: 407-582-5730  
[Valencia Architecture Homepage](#)

## Course Syllabus for ARC 2180C, Intro to Digital Architecture CRN 14017 SESSION:

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Fall 2021

Professor's Information:

Name:

Professor Joshua Treadway

Office:

B: 9 R: 135

Phone:

TBA

Email:

[Professor Treadway's email](#)

Office Hours:

**Times:**

Monday, Tuesday, Wednesday, & Thursday:

9:00 am - 10:00 am

1:00 pm - 2:00 pm

**Location:**

[Office Hours Discord Chat Server](#)

Catalog Course Description:

This course will provide another medium for students to convey their architectural work and their space-making skills. This medium will be one of the design vehicles for exploration, experimentation and most importantly, representation. It is anticipated that this course will work in conjunction with the design studios to allow students to implement these digital techniques. Also, the various 2D and 3D digital interfaces introduced will be of industry standard, which will allow for a sense of preparation for the current methods and practices for professional growth.

Class Time and Location:

Online, Weekly based content

Zoom Meeting:

[Class Zoom Portal](#)

Meeting ID: 974 7434 3440

Password: 030320

Textbook(s):

See Registration

### Reference(s):

If provided, the instructor will post on Canvas.

### Lab Manual(s):

None

### Materials:

Pad of paper and pen to write notes and work out design problems

### Programs:

McNeel's Rhino 6 3D (or most current edition)

Adobe CC Illustrator

### Attendance:

Being an online course, we do not have a physical meeting space and therefore the attendance will be based off work completed. Each week you will have a homework assignment, by completing that week's assignment you will also receive an attendance grade for the week. Partially completing or strong lack of understanding of the week's assignments will constitute a late grade for the week. Failing to submit the homework completely will result in an absence for the week.

### "No Show" Status:

Students who are not actively participating in an online class and/or do not submit the first assignment by the scheduled due date must be withdrawn by the instructor at the end of the first week as a "no show". If you are withdrawn as a "no show," you will be financially responsible for the class and a final grade of "WN" will appear on your transcript for the course.

### Student Performance Assessment:

The class is designed to introduce digital as a new tool and platform to perform design and architectural work. The class aims at assessing a student's understanding of digital practices and concepts. Small assignments will be given throughout the semester to assess students understanding of the previous lectures given. Most of these will be using the tools taught either in the current or prior lessons. Student will have a larger assignment at the end of the semester that will be representation of the work the student did throughout the class.

To clarify the system of grading we would like to spell out:

<b>Letter</b>	<b>Percentage</b>
<b>A</b>	<b>100-90</b>
<b>B</b>	<b>89-80</b>
<b>C</b>	<b>79-70</b>
<b>D</b>	<b>69-60</b>
<b>F</b>	<b>59-0</b>

Completion of HW Assignments = 10%

Classwork/Homework Assignments = 50%

Final Project Portfolio = 40%

A Project Assignment Sheet and Grading Rubric will be given to each student at least one and half weeks prior to the project due date. It is imperative that each student thoroughly read the assignment and rubric sheets as it will explain the intentions of the project and how you will be evaluated. Please keep in mind that there will be numerous

## Student Core Competencies:

The faculty of Valencia College has established four Core Competencies that describe the learning outcomes for a Valencia graduate. They are: THINK, VALUE, COMMUNICATE, & ACT. These general competencies can be applied in many contexts and must be developed over a lifetime. They specify how learning can be expressed and assessed in practice. They enable students and faculty to set learning goals and assess learning within and across the many disciplines of human inquiry. Use the descriptions and examples of academic work for each to measure your own learning outcomes. Samples of the academic work are great additions to your Learning Portfolio. For further information on student core competencies please go to [Valencia's Student Core Competencies Website](#).

## Withdraw Policy:

A student who withdraws from class before the withdraw deadline date will receive a grade of "W." The withdrawal deadline date can easily be located on Atlas, by visiting the Answer Center or contacting Chia Broussard at [crowe@valenciacollege.edu](mailto:crowe@valenciacollege.edu). Please keep in mind it is YOUR responsibility to know the withdrawal deadline date.

A student is not permitted to withdraw from this class after the withdrawal deadline; if you remain in the class after the withdrawal deadline, you can only receive a grade of A, B, C, D, F or I. A I grade will only be assigned under extraordinary circumstances that occur near the end of the semester. If you receive a I, the work missed must be made up during the following semester, at which time you will receive a letter grade of an A, B, C, D or F. Failure to make up the work during the following semester will result in receiving a grade of an F in the course. Any student who withdraws from this class during a third or subsequent attempt in this course will be assigned a grade of "F."

## Security:

We want to reassure you that our security officers are here around the clock to ensure the safety and security of the campus community. It's important to remain alert and aware of your surroundings, especially during the early morning or evening hours. Remember that you can always call security for an escort if you feel uncomfortable walking alone on campus. White security phones can also be found in many of our buildings; simply pick up the phone and security will answer.

Finally, report any suspicious persons to West Campus Security at 407-582-1000.

## Faculty/Student Communication:

All communication for this course should be directed through Canvas. For personal inquires please email the instructor. For all course related questions, please follow these steps:

1. Review syllabus, rubrics, or assignment pages.
2. Start a question thread on the discussion boards under the name Student Question Board, a fellow student or the professor should be able to answer these questions
3. Last, ask the professor via email.

Valencia College is committed to providing each student a quality educational experience. Faculty members have set high standards of instruction for themselves and for you. If you have a problem in a class, follow these steps:

1. First talk to your instructor. If you are dissatisfied...
2. Then you may talk with the Program Chair Allen Watters in B: 11 R: 100, [dwatters@valenciacollege.edu](mailto:dwaters@valenciacollege.edu) if you are still dissatisfied...
3. Last go to the Academic Dean Ana Caldero Figueroa in B: 5 R: 130, [acalderofigueroa@valenciacollege.edu](mailto:acalderofigueroa@valenciacollege.edu). We will work together to resolve any issues that arise.

## Academic Honesty Statement:

Each student is required to follow Valencia College's policy regarding [Academic Integrity](#) & [Student Code of Conduct](#). All work submitted by students is expected to be the result of the student's individual thoughts, research, and self-expression unless the assignment specifically states otherwise (example: a group project).

If you have any questions on Valencia's policy for plagiarism or what is considered plagiarism, please go to [Valencia's "What is Plagiarism?" site](#).

If a student is caught plagiarizing work, the following repercussions will be enforced:

- First Offense:
  - The instance will be recorded, and the student will get an automatic grade of zero for the assignment the student plagiarized, with no means to make up said grade.
- Second Offense:
  - The student will receive a failing grade for their overall course grade and this offense along with the previously recorded instance will be sent to the Program Chair & Academic Dean for further disciplinary consideration by the college.

### Baycare Behavioral Health's Student Assistance Program:

Valencia is committed to making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help that may assist them with psychological issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. Students have 24-hour unlimited access to the Baycare Behavioral Health's confidential student assistance program phone counseling services by calling (800) 878-5470. Three free confidential face-to-face counseling sessions are also available to students.

### Special Needs:

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, ext. 1523).

### Expected Student Conduct:

Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in the disruption of a class may be directed by the faculty member to leave the class. Violation of any classroom or Valencia's rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the [Student Code of Conduct](#) in the current Valencia Student Handbook.

### Policy on Retaining Work:

You should be prepared for the instructor to ask that it be exhibited or photographed during or after the term. Having your work retained for photography or exhibition is evidence of its quality and value to the school. Not to worry, you will always be able either to retrieve your original work or retrieve it temporarily to make copies/photograph it for your own personal purposes.

### Use of Computer Lab:

Be respectful of all campus equipment. Open to all students with an active Atlas account. Internet & word processing for research papers. Atlas & e-mail, access to course software. Lab staff available to help students with software applications. Software catalog available on [Computer Access Lab](#) web page.

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Phone 407-582-1646

M-Th 7:30am-10pm

Friday 7:30am-12:00pm

### Online Student Assessment of Instruction:

As part of our continuing goal to provide the best possible instruction for Valencia College students, the student evaluation of instructor form is now available online.

On a completely anonymous basis, all students are invited to complete this online form. To do so, go into Atlas, click on My Courses then click on the box at the right that says, 'Assessment Survey'. You will be able to submit one assessment form per class. After that, the form will no longer be available to you.

Please set aside some time toward the end of the semester to complete the assessment. By doing so, you will assist the instructor in assessing the effectiveness of his/her teaching methods and techniques.

### Distance Tutoring & Technology Support at Valencia:

You can easily access Valencia's free distance tutoring and tech support from a computer, laptop or mobile device.

Distance tutoring services are provided fully online via Zoom. Through this service, you will receive real-time assistance via a Valencia tutor. Online tutoring is offered in mathematics, sciences, accounting & economics, computer programming, EAP and foreign languages, and writing.

Online Learning Technology Support services are also available. Students can receive assistance with navigating: Canvas, OneDrive, Zoom, YouTube, and Microsoft Office (Word, Excel, & PowerPoint). Support is also provided for video editing (via iMovie and MovieMaker) and converting documents from a Mac to PC. Tech support is available live (on-demand) via Zoom, by appointment, or via email. Students are encouraged to use the 24/7 Canvas Help located inside Canvas by clicking on the "Help" icon.

To get started using the [Distance Tutoring and Learning Technology Support services](#). Through this site, you can view the schedule of tutors/tech support assistants, find available times, learn more about the services, and access a collection of supplemental resources that are available 24/7.

### Hours of Operation:

Monday-Friday: 8 am – 10 pm

Saturday & Sunday: 9 am – 7 pm

### [Valencia COVID Information:](#)

Valencia Returning to Campus Policies

- [Valencia Reporting and Contact Tracing](#)
- [Questions About Roadmap for Reopening Phase 4? Get the Answers,](#)
- [Roadmap for Reopening: Phase 4 Hours of Operation](#)

Valencia College

- [C.A.R.E](#)
- [The CARES ACT](#)

### Disclaimer:

The course outline and syllabus are subject to change as needed; changes will be announced in class in a timely manner, when necessary. Your continued participation in this course after the drop-add deadline period constitutes an agreement with and an acceptance of the conditions presented in this syllabus.

## SCHEDULE OF EVENTS:

<i>Week:</i>	<i>Description:</i>
Week 01	Syllabus/Intro to Rhino & Objects
Week 02	Intro to Rhino & Objects Conti.
Week 03	Transforming & Manipulation - Rhino
Week 04	Transforming & Manipulation Conti. – Rhino
Week 05	Detail & Scale - Rhino
Week 06	Detail & Scale Conti. - Rhino
Week 07	Advance Tools & Tricks - Rhino
Week 08	Advance Tools & Tricks Conti. - Rhino
Week 09	Representation & Aesthetics - Rhino/Illustrator
Week 10	Representation & Aesthetics Conti. - Rhino/Illustrator
Week 11	Composition & Presentation - Illustrator
Week 12	Composition & Presentation – Illustrator Conti.
Week 13	Drawing Representation & Grasshopper Tutorials
Week 14	Drawing Representation & Grasshopper Tutorials
Week 15	Final Prep Week/ Portfolio Project Help
Week 16	Finals Week/ Final Project Due