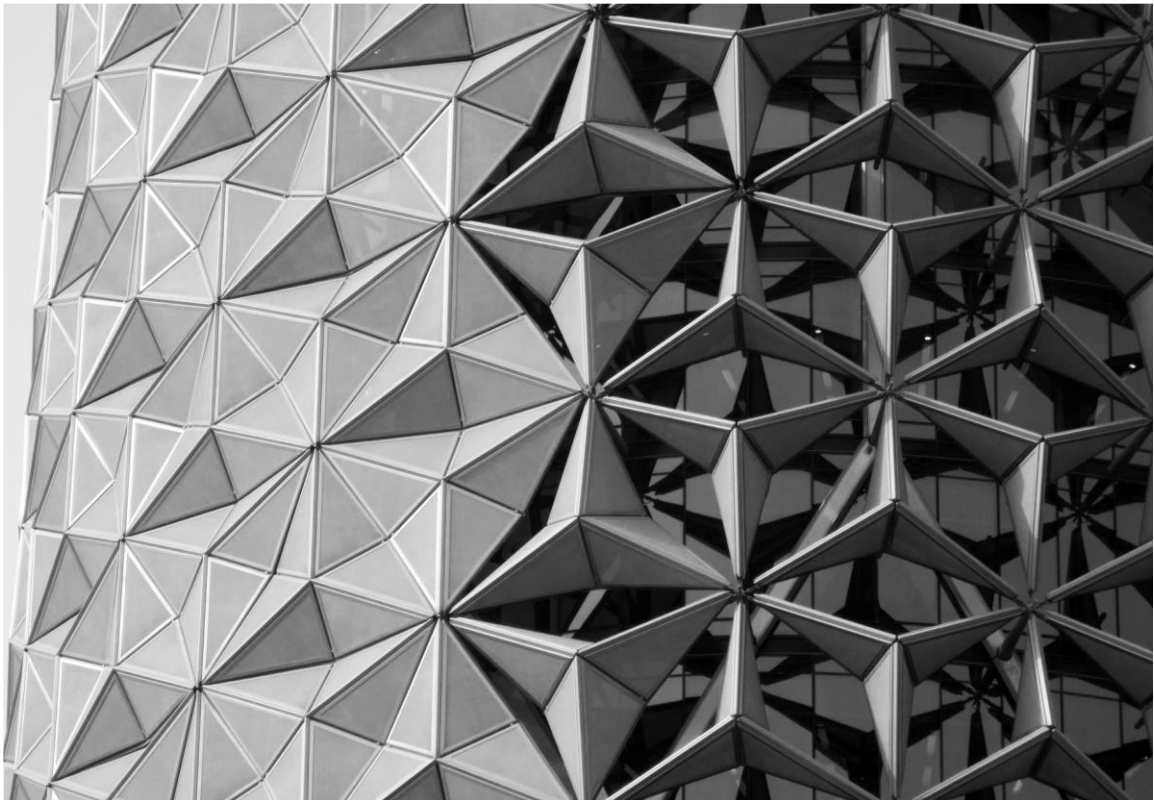


UNIVERSITY OF MIAMI  
**SCHOOL of  
ARCHITECTURE**

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course **ENVIRONMENTALLY RESPONSIVE SYSTEMS**  
code **ARC 583-683**  
academic calendar 2021-2022  
semester SPRING 2022  
credits 3  
classroom BLDG 48 RM320/ LA GORCE 160  
class hours THURSDAY 9:40AM- 12:25PM  
professor/s INDRIT ALUSHANI  
RODOLPHE EL-KHOURY  
professor email [ixa383@miami.edu](mailto:ixa383@miami.edu)  
[relkhoury@miami.edu](mailto:relkhoury@miami.edu)  
office hours by appointment



## Course Description

Designers and architects are expected to improve the quality and the performance of existing and new buildings in face of rising sea levels, global temperatures etc. This often requires formulating and solving multi-disciplinary design and decision-making problems in a collaborative setting. The fundamental question is: "How do we know if our interventions or designs will yield better results?" In other words, we need ways to model, analyse, simulate and evaluate the functioning of buildings. We need to ask fundamental questions about how building envelope can respond to external factors. How can the environment shape the form and function of a system? How can we improve the sustainability, affordability and quality of buildings in quantifiable ways and validate our design assumptions? This studio explores ways at answering some of these questions, by combining geometric computation micro sensors, students will explore design iterations and solutions to the pressing issues that we face globally as designers.

Architecture and design is making efforts to become more and more ubiquitous in the metaverse or web 3.0. It is important for future generations to embark and translate their design into a form of an extended reality (XR), henceforth the course will be exploring representational ways in augmented reality by means of magic leap and other devices

## Course Objectives

The class will explore integration of technology, design and environment. Through physical computing by means of micro controllers and sensors there will be an opportunity to investigate how geometries can respond to their surroundings. The second layer of the course will be an opportunity to delve into grasshopper and system kinetics. Parametric design and computation will Additional to that the course will explore XR (Extended Reality) elements. Often architecture is represented in drawings and scaled models, however this class will look at real life scale by exploring Virtual and Augmented reality as a final deliverable. The teaching methodology encourages iterative experiments and physical building. Over the semester, we will have a series of workshops focusing on computation, sensors and extended realities. There will be a series of texts and videos that will accompany the material taught in the course. The main objective of the course is to understand and control kinetics and motion starting from physical form onto the digital.

## Readings

author	title	publisher
Michelle Addington Daniel Schodek	Smart Materials and New Technologies For Architecture and Design Professions	Architectural Press, 2005
Christian Schittich	In Detail: Building Skins, Concepts, Layers, Materials (In Detail)	Birkhauser, 2001
Jules Moloney	Designing Kinetics for Architectural Facades	Routledge, New York, 2011
Branko Kolarevic Vera Parlac	Building Dynamics: Exploring Architecture of Change	Routledge, 2015
Lisa Iwamoto	Digital Fabrications: Architectural And Material Techniques	Princeton Architectural Press, 2009
Branko Kolarevic Ali M. Malkawi	Performative Architecture Beyond Instrumentality	Spon Press
Achim Menges	Material Performance: Fibrous Techtonics & Architectural Morphology	July 22, 2016

Michael Fox	Interactive Architecture: Adaptive World	Princeton Architectural Press, 2016
Hani Rashid	Post-Internet Cities. Learning from the Virtual	e-flux 2017
Hani Rashid & Greg Lynn	Architecture=Space=Interface Designing for a Digital World	Academy Press 2002
Blair Satterfield	Hypernatural: Architecture's New Relationship with Nature	Princeton Architectural Press, 2015

## Suggested readings

author	title	publisher
Mark Shepard	Sentient City: Ubiquitous Computing, Architecture, and the future of Urban Space	Cambridge: The MIT Press, 2011
Philip Beesley, Sachiko Hirose, Jim Ruxton, Marion Trankle, Camille Turner	Responsive Architectures: Subtle Technologies	Cambridge: Riverside Architectural Press, 2006
Lucy Bullivant	Responsive Environments: architecture, art and design	London: Victoria and Albert Museum, 2006
Cassimalli, Hakim and McEwan, Adrian	Designing the Internet of Things	2013
Michael Fox	Interactive Architecture	New York: Princeton Architectural Press, 2009
Burke, Anthony and Thierny Therese	Network Practices	Princeton Architectural Press
Pfister, Cuno	Getting Started with the Internet of Things: Connecting Sensors and Microcontrollers to the Cloud	2012
Picon, Antoine	Digital Culture in Architecture	Birkhauser, 2010
Barabasi, Albert-Laszlo	Linked: How Everything is Connected to Everything Else and What it Means	Plume, 2003
Greenfield, Adam	Everyware: the Dawning Age of Ubiquitous Computing	New Riders Publishing, 2006
Rodolphe el_khoury, Christos Marcopoulos and Carol Moukheiber	The Living, Breathing, Thinking Responsive Buildings of the Future	Thames & Hudson, 2012
Bradley Cantrell and Justine Holzman	Responsive Landscapes: Strategies for Responsive Technologies in Landscape Architecture	Routledge, 2016
	A + U: Architecture and Urbanism, 2001 July (FOA)	
	Architectural Design, 2006, Sep/Oct, v.76, n. 5	
	Architectural Design, 2006, Jul/Aug, v.76, n. 4	
	Architectural Design, 2002, Sep/Oct. v. 72, n. 5	
Allen, Stan	Points and Lines: Diagrams and Projects for the City	New York: Princeton Architectural Press, 1999
Balmond, Cecil	Informal	Prestel 2002
Bossomaier, Terry and Green, David	Patterns in the Sand	Perseus Books, 1998

Brayer, Marie-Ange and Migayrou, Frederic	Archilab: Radical Experiments in Global Architecture	Thames and Hudson 2002
Buchanan, Mark	Nexus: Small Worlds and the Groundbreaking Science of Networks	Norton, 2002
Castels, Manuel	The Rise of the Network Society	Blackwell Publishers, 2000
Chaouchi, Hakima, Ed.,	The Internet of Things: Connecting Objects	Wiley, 2010
Corby, Tom	Network Art: Practices and Positions	Routledge, 2006
De Kerckhove, Derrick	The Architecture of Intelligence	Birkhauser Publishers, 2001
Christiane, Paul	Digital Art	Thames and Hudson, 2003
De Landa, Manuel	A Thousand Year of Nonlinear History	Zone Books, 1997
Deleuze, Gilles and Guattari, Felix	A Thousand Plateaus: Capitalism and Schizophrenia	University of Minnesota Press, 1984
Friedman, Thomas L.	The World is Flat: A Brief History of the Twenty-first Century	Farrar, Straus, and Giroux, 2005
Gershenfeld, Neil	FAB: The Coming Revolution - from Personal Computing to Personal Fabrication	Basic Books, 2005
Gladwell, Malcolm	The Tipping Point, Or How Small Things Can Make a Big Difference	Back By Books, 2002
Hansen, Mark	New Philosophy for New Media	MIT Press, 2004
Johnson, Steven	Emergence: The Connected Lives of Ants, Brains, Cities, and Software	Scribner, 2002
Johnson, Steven	Interface Culture: How New Technology Transforms the Way we Create and Communicate	Hamper Edge, 1997
Kelly, Kevin	Out of Control, the Rise of Neo-Biological Civilization	Addison-Wesley, 1994
Kolarevic, Branko	Performative Architecture: Beyond Instrumentality	Spon Press, 2005
Kolarevic, Branko	Architecture in the Digital Age: Design and Manufacturing	Spon Press, 2003
Kolarevic, Branko	Building Dynamics: Exploring Architecture of Change	Routledge, 2015
Kwinter, Sanford	Architectures of Time	MIT Press, 2002
Lovejoy, Margot	Digital Currents: Art in the Electronic Age	Routledge, 2004
Malcolm McCollough	Ambient Commons: Attention in the Age of Embodied Information	2013
Marshall McLuhan and David Carson	The Book of Probes	Ginko Press, 2003
Massumi, Brian	Parables for the Virtual	Duke University Press, 2002
Mitchell, William J.	Me++, The Cyborg Self and the Networked City	The MIT Press, 2004
Mitchell, William	e-topia	MIT Press, 1999
Spiller, Neil, ed.	The Cyber-Reader	Phaidon, 2002
Strogatz, Steven	Sync: How Order Emerges From Chaos in The Universe, Nature, and Everyday Life	Hyperion, 2004
Thompson, D'Arcy Wentworth	On Growth and Form	Cambridge University Press, 1992
Townsend, Anthony	Smart Cities: Big Data, Civic Hackers, and the Quest for a New Utopia	2013
Watts, Duncan	Six Degrees: The Science of a Connected Age	Norton, 2003

## course schedule

This is the intended course schedule.

Unexpected conditions by research/academic activities may modify it.

week 1	January	thursday	20	9:40AM-12:25PM	<b>Introduction to RAD Lab R. el-Khoury Course intro &amp; overview</b>
week 2	January	thursday	27	9:40AM-12:25PM	<b>R. el-Khoury Embedded Technology Project #1 Introduction and Visuino</b>
week 3	February	thursday	3	9:40AM-12:25PM	<b>Designing Motion/Gears Schematics Arduino Workshop</b>
week 4	February	thursday	10	9:40AM-12:25PM	<b>Arduino Workshop: Donnie Navarro Garcia</b>
week 5	February	thursday	17	9:40AM-12:25PM	<b>Guest Lecturer: Ruth Ron Arduino Workshop II</b>
week 6	February	thursday	24	9:40AM-12:25PM	<b>Project #1 Presentations</b>
week 7	March	thursday	3	9:40AM-12:25PM	<b>Introduction to Grasshopper Project #2 Introduction</b>
week 8	March	thursday	10	9:40AM-12:25PM	<b>Guest Lecturer: Reza Karimi Advanced Grasshopper Workshop</b>
week 9	March	thursday	17	9:40AM-12:25PM	<b>Spring Break</b>
week 10	March	thursday	24	9:40AM-12:25PM	<b>Advanced Geometries/Kinetics Grasshopper Tutorial</b>
week 11	March	thursday	31	9:40AM-12:25PM	<b>Project #2 Presentations</b>
week 12	April	thursday	7	9:40AM-12:25PM	<b>Lecture (with R. el-Khoury) Final Project Introduction</b>
week 13	April	thursday	14	9:40AM-12:25PM	<b>XR and the Metaverse</b>
week 14	April	thursday	21	9:40AM-12:25PM	<b>Magic Leap/Unity Workshop</b>
week 15	April	thursday	28	9:40AM-12:25PM	<b>Individual Tutorials Final Studio Reviews</b>
week 16	May	thursday	5	9:40AM-12:25PM	<b>Final Presentations</b>

### university of miami academic calendar

Conflicts with religious observances should be brought to the instructor and the Office of the Registrar and Student Services no later than the second week of classes. For an updated version of the academic calendar, please visit [www.miami.edu/registrar](http://www.miami.edu/registrar) more information, please see the Policy on Scheduling of Classes and Examinations and Other Accommodations for Religious Observances.

**UNIVERSITY OF MIAMI ACADEMIC CALENDAR**

**SPRING 2022**

*Subject to Change*

Dec 20-Jan 16	Mon-Sun	<a href="#">Winter InterSession A (special tuition, add/drop, dates, &amp; refund policy apply)</a>
Jan 4-16	Tues-Sun	<a href="#">Winter InterSession B (special tuition, add/drop, dates, &amp; refund policy apply)</a>
Jan 3	Mon	Deadline for Readmission
Jan 12	Wed	Housing Available for Students
Jan 12	Wed	International Student Orientation for Undergraduate Students
Jan 13-15	Thurs-Sat	Spring 'Cane kickoff
Jan 14	Fri	International Student Orientation for Graduate Students
Jan 17	Mon	HOLIDAY (MARTIN LUTHER KING, JR. DAY)
Jan 18	Tues	CLASSES BEGIN
Jan 26	Wed	Last Day for Registration and to Add a Course
Feb 2	Wed	Last Day to Drop a Course Without a "W"
Feb 2	Wed	Deadline to apply for Inactive Status
Feb 2	Wed	Deadline to apply for Non-UM programs
Feb 2	Wed	Last Day to Make a Change in Credit-Only Designation
Feb 9	Wed	Application for graduation opens
Feb 28	Mon	Midterm reporting begins
March 4	Friday	Last Day to Apply for Graduation for Spring and Summer
March 12-20	Sat - Sun	<u>SPRING RECESS</u>
TBA	TBA	<u>Classes visible to Students</u>
TBA	TBA	<u>Shopping Carts available</u>
March 21	Mon	Registration Appointments Available on CaneLink
March 22	Tues	Last Day to Drop a Course
April 1	Fri	Graduate Students: Last Day to Defend Dissertation/Thesis for Spring 2022 Graduation
April 4	Mon	Registration for Fall Semester 2022 & Summer 2022* (Begins)
May 2	Mon	CLASSES END (11:00 PM)
May 3	Tues	Reading Days
May 3	Tues	Grade Roster available to Faculty
May 4 - May 11	Wed-Wed	FINAL EXAMS
May 11	Wed	Graduate School Deadline for Completion of Dissertation/Thesis
May 11	Wed	SEMESTER ENDS (11:00 PM)
May 12	Thurs	SPRING COMMENCEMENT EXERCISES - All Graduate Degrees
May 13	Fri	SPRING COMMENCEMENT EXERCISES - All Undergraduate Degrees
May 13	Fri	Housing Closes at NOON for Non-Commencement Participants
May 14	Sat	Housing Closes at NOON for Commencement Participants
May 16	Mon	Final Grades Released by Faculty in CaneLink by Noon
May 18	Wed	Final Grades Available to Students in CaneLink

*\*As Scheduled By Appointment*

Updated September 30, 2021

[Most up-to-date calendars available at www.miami.edu/registrar](http://www.miami.edu/registrar)

## evaluation

### *Course Grading Criteria*

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Participation/quizzes	15% of final mark
Assignment 1	20% of final mark
Assignment 2	30% of final mark
Final Project	35% of final mark

## student work

- > All academic work is the property of the University. At the conclusion of the semester students should prepare and submit digital files on a disk or flash drive to their respective faculty. Any original work identified by faculty as archival or as exhibits for accreditation will be collected by faculty for the duration of the accreditation visit.
- > The University may retain selected student work and may place it in the architecture archives for exhibition, publication, or other use as the University deems appropriate.

## grading

This information is obtained through the University of Miami Academic Bulletin. Student responsibility is to check if there is a new updated version that could modify the one exposed here. Students should always refer to <http://bulletin.miami.edu/> for an updated version.

### *UNDERGRADUATE ARCHITECTURE STUDENTS*

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A	Excellent attainment
B	Good attainment
C	Fair attainment
D	Poor attainment (earns credit hour but may not fulfill requirement for a major)
F	Failure
W	Course dropped on or before the last day for withdrawing from classes as published in the official calendar of the University. Credit hour can be earned only by successful repetition of the course.
I	Incomplete work in passing status with the instructor's permission to complete the course. An "I" will be assigned only if the instructor is satisfied that there are reasonable non-academic grounds for the student's incomplete work. An "I" is not intended to be assigned in order to permit a student to repeat a course without registration or to permit a student to do additional work in order to improve upon grades earned during the semester. The student who receives an "I" must complete the course with a passing grade within the time frame specified by the professor of the course but not longer than the end of one calendar year, or prior to graduation, whichever occurs first. An Academic Dean may approve an extension initiated by the course instructor. An "I" not completed prior to the student's graduation shall be changed to an "IE" or "IF" by action of the student's Academic Dean.
IP	Denotes in progress grade assigned upon satisfactory completion of the first semester of a two-semester sequence, with the final grade for both courses to be submitted at the end of the second semester of the sequence. Please note that all "IP"s must be converted to a letter grade or "IF" at graduation. "IP" will also be converted to "IF" upon any departure from the University for a period in excess of one year.
IF	Symbol indicating that an "I" grade was not appropriately completed. <sup>4</sup> The symbol "IF" is equivalent to an "F" when computing a student's average.
CR	Grade signifying that credit only is awarded based on a "C" average or better.
NC	Grade signifying that no credit hour is awarded based on a course average below a grade of "C".
NG	Symbol assigned by the Office of the Registrar indicating that the instructor has not reported the student's grade. For a student to receive credit hour for the course, the instructor must report a passing grade prior to the student's graduation, or by the end of one regular academic semester, whichever comes first. An Academic Dean may approve an extension initiated by the course instructor. An "NG" not replaced by a passing grade, or by a "W", prior to the student's graduation shall be changed to an "F" by action of the student's Academic Dean. <sup>5</sup>

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*grade point average*

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The grade point average is used to determine:

- > class rank
- > graduation and university honor eligibility
- > good standing, probation, and dismissal status
- > scholarship eligibility

Your official grade point average is based only on the work you have completed at the University of Miami. The only exception to this policy is for determining whether a student qualifies for university honors established by the minimum grade point requirement at the time of graduation. For graduation purposes, cumulative grade point average is defined as either the average of all grades earned at the University of Miami or the combined average of all graded work taken at the University of Miami and elsewhere whether or not the transfer work is accepted toward a degree at the University of Miami, whichever is lower.

Quality points per credit hour are awarded as follows:

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A+	4.00
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
E	0.00 (prior to fall 1995)
IE	0.00
F	0.00 (effective fall 1995)
iF	0.00

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- > Courses marked with an "IE" or "IF" count as credit hour attempted but are not counted in credit hours earned and do not carry quality points.
- > Credit hours marked CR are counted as credit hours earned but are not counted in credit hours attempted and do not carry quality points.
- > Courses marked with the symbols I, IP, W, NC, and NG do not carry credit hours attempted, credit hours earned, or quality points.
- > The grade point average is determined by dividing the total quality points earned by the total credit hours attempted.
- > Military service credit hour, some foreign university credit hour, correspondence course credit hour, credit by examination, etc., are not awarded quality points and do not enter the computation of the grade point average.



## GRADUATE ARCHITECTURE STUDENTS

### Scale/Quality Points

- > An average of B (3.0) is required for a graduate degree, and no "D" credit hour may be counted toward the degree.
- > All work leading to the graduate degree and taken as a graduate student will be counted in computing the quality point average, including courses graded "D".
- > No transferred credit hours are calculated into the University of Miami G.P.A.

### Grade Interpretations

A	Excellent accomplishment.
B	Good accomplishment.
C	Fair, but below that expected of graduate students (C- is the lowest passing grade. Some programs may require higher standards.).
S	Symbol used for acceptable (U-unacceptable) thesis, dissertation, practicum and internship credit hour. It may be used for regular courses under special circumstances with the prior approval of the instructor, department chairman, and the Dean of the Graduate School. The Graduate School considers a grade of "S" to indicate a minimum of a 3.0 GPA in a graduate course if a student has taken no prior coursework on the graduate level. A grade of "S" reflects that a student is in good academic standing.
D	Poor (not acceptable for credit hour toward the advanced degree).
F	Failure
W	Course dropped prior to the last day for withdrawing from classes as published in the official calendar of the University. Courses dropped after last date must have approval of Dean of Graduate School. Credit hour can be earned only by successful repetition of the course.
I	Incomplete work in passing status with the instructor's permission to complete the course. (Not to be used for thesis or dissertation credit hours). Student may request an incomplete from the professor if: they have completed at least 75% of the course and have a C or better in the course at the time of the request. The "I" should be changed to a letter grade within one (1) calendar year after it is given, unless the Academic Dean of the student's primary school or college and the Dean of the Graduate School approve the delay. If the "I" is not changed within one year, credit hour can be earned only by successful repetition of the course. (Note: Fellowships and financial aid may be withdrawn if there is an excess accumulation of "I"s on a student's transcript.).
IP	Denotes in progress grade given by instructor for any course (600, 700, or 800 level) in which a student has made expected or clearly satisfactory progress during the term, but has yet fully to complete requirements for the course. "IP" is to be given for 800-level internships, research, thesis and dissertation courses that have not been completed. Upon satisfaction of all Graduate School requirements, the Assistant Director, Programs of the Graduate School will issue final credit hour for all master's thesis and doctoral dissertation courses (e.g., 810, 820, 830, 835, 840 and 850). Zero-credit hour courses (e.g., 820 and 850) will be changed to "S." Please note that all "IP"s must be converted to "S", letter grade, or "I" at graduation. "IP" will also be converted to "I" upon any departure from the University for a period in excess of one year.
NP	Symbol assigned by Enrollment Services indicating that the instructor has not yet reported the student's grade. For a student to receive credit hour for the course, the instructor must report a passing grade prior to the student's graduation. (Faculty Senate Legislation #85005(B))

Quality points are awarded as follows: The quality point average is then determined by dividing the total of quality points earned by the total of credit hours attempted. The symbols "S", "W", and "I" are not counted as credit hour attempted.

A+	4.00
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	0.00
D	0.00
F	0.00

## final due date

Due dates are set by the Course Instructor in the schedule and evaluation sections of this outline. All term work must be submitted on or before the date stipulated by the Instructor.

Students who for reasons beyond their control are unable to submit an assignment by its deadline must obtain approval from their Instructor for an extension to the deadline.

All student work including assignments and final projects must be uploaded to the server in PDF format (except for video projects) prior to the end of term.

## class attendance and absences

Regular and punctual class attendance is mandatory for all architecture courses; **three unexcused absences constitutes grounds for dismissal** from the course and/or a failing grade. Students are required to be present for an entire design review, therefore, students arriving late or departing early from class will be considered absent. Excused absences require written notification and are granted by the instructor.

It is each student's responsibility to know and understand the instructor's policies. It is also the student's responsibility to give the instructor notice one week prior to any anticipated absence and to contact the instructor within one week after any unanticipated absence.

All students are responsible for material covered during their absence. However, the instructor must allow each student who is absent for a University approved reason either the opportunity to make up, or to be excused from, work missed, without any reduction in the student's final course grade as a direct result of such absence.

Other than absences for a University-approved reason, the instructor determines whether or not an absence is for an acceptable reason and whether or not students shall have the opportunity to make up missed work. If the instructor does not recognize the reason as acceptable, the student may appeal to the chair of the department.

### UNIVERSITY-APPROVED REASONS FOR ABSENCES

1. Participation in an activity approved by the Academic Deans Policy Council, such as musical and debate activity, R.O.T.C. function, or varsity athletic trip; participation in a special academic activity such as a field trip or other special event connected with academic coursework. Verification of a student's participation shall be issued by the sponsor when authorized by the Office of the Executive Vice President and Provost.
2. Observance of a religious holy day as described in the Religious Holy Day Policy, below:

### RELIGIOUS HOLY DAY POLICY

The University of Miami, although a secular institution, is determined to accommodate those students who wish to observe religious holy days. It seeks to reflect its awareness of and sensitivity to religious holy days whenever possible when scheduling University activities. The following provisions are meant to apply equitably to all religious groups and to provide opportunities to all to meet their religious obligations.

1. Except as specifically provided to the contrary, this policy is binding on all students in undergraduate programs. Schools offering graduate or professional programs, including undergraduate professional programs, are strongly encouraged to adhere to these policies to the maximum extent practicable.

2. Any student absent from class in observance of a religious holy day shall not be penalized in any way for an examination or assignment missed during the period of absence. Absence in observance of a religious holy day does not relieve students from responsibility for any part of the course work required during the period of absence. Students who are absent on days of examinations or class assignments shall be offered a reasonable opportunity to make up the work without penalty, if the student previously arranged to be absent. Nothing in this policy shall preclude faculty members from limiting the number of student absences to a reasonable number of absences for any reason. The faculty member has discretion to determine how the make-up obligation will be fulfilled. A faculty member who penalizes a student contrary to these provisions may have committed unprofessional conduct, and thus may be subject to a complaint to the Committee on Professional Conduct under the provisions of Section B4.9 of the Faculty Manual.

3. It is the student's obligation to provide faculty members with notice of the dates they will be absent due to observance of religious holy days, preferably before the beginning of classes but no later than the end of the first three class days. For religious holy days that fall within the first three class days, students must provide faculty members with notice no later than two class days before the absence. Missing a class due to travel plans associated with a particular religious holy day does not constitute an excused absence. Absences due to observance of religious holy days that are not pre-arranged with the relevant faculty member within the first three class days may be considered unexcused, and the faculty member may therefore prevent the student from making up examinations or assignments missed during the period of absence.

4. Faculty members are encouraged to anticipate days when a substantial number of students will be absent for observance of religious holy days and should avoid scheduling examinations and assignment deadlines on those days. Faculty members are expected to reasonably assist students in obtaining class information the student missed during the period of absence in observance of a religious holy day. In that regard, faculty members are urged to allow taping or recording of the class session, with the reproduction limited to the student's personal use, when a student misses a class due to observance of a religious holy day. To assist in identifying religious observance days, faculty members are encouraged to consult the illustrative list provided in the Interfaith Calendar (<http://www.interfaithcalendar.org>). Faculty members are urged to remind students of their obligation to inform faculty members within the first three class days of any anticipated absences due to observance of religious holy days and should include that information in the syllabus or course requirements document for that course

### **plagiarism and misconduct: honor code**

The University's policy on academic misconduct is contained in the University of Miami Honor Code. These Codes are established for the student body to protect the academic integrity of the University of Miami, to encourage consistent ethical behavior among students, and to foster a climate of fair competition. While a student's commitment to honesty and personal integrity is assumed and expected, these Codes are intended to provide an added measure of assurance that, in fulfilling the University's requirements, the student will never engage in falsification, plagiarism, or other deception regarding the materials he/she presents. Each student is responsible for completing the academic requirements of each course in the manner indicated by the faculty.

The University's policy on academic misconduct for UNDERgraduate students is found on:

[https://umshare.miami.edu/web/wda/deanstudents/pdf/undergrad\\_honorcode.pdf](https://umshare.miami.edu/web/wda/deanstudents/pdf/undergrad_honorcode.pdf)

The University's policy on academic misconduct for graduate students is found on:

<https://umshare.miami.edu/web/wda/deanstudents/pdf/GraduateStudentHonorCode.pdf>

### **english language and writing support**

Whether you need help with english language and writing support, students can be assisted through the Writing Center.

The Writing Center at the University of Miami strives to help all members of the university community learn more about writing and become better writers. Writers at all levels can benefit from sharing their writing with someone who is both knowledgeable and trustworthy, someone who is not grading them or evaluating their work. Our professional and friendly staff of faculty and graduate students will work with you in one-to-one consultations on all stages of the writing process: from note-taking and pre-writing to revision strategies and proofreading techniques.

The Writing Center is a teaching environment. We will work to teach you ways to improve your writing, but we will not proofread or edit your papers for you. (We will, however, teach you how to proofread and edit your own papers.) Our focus is more on helping you improve as a writer, rather than fixing the paper you bring in.