

ARC 302: Design Studio - Land Ethics

6-CU, Spring 2017

School of Architecture, CAPLA

University of Arizona

COURSE DATA

ARC 302 - Design Studio - Land Ethic

Spring Semester 2017

6-credit units

FACULTY

Luis Ibarra – Coordinator

luis@ibarrarosano.com

by appointment

Paul Reimer

preimer@email.arizona.edu

by appointment

Siri Trumble

strumble@email.arizona.edu

by appointment

Cade Hayes

cade@dustdb.com

by appointment

CRITERIA

FULFILLMENT

This course satisfies the requirements for the sixth course in the ten Design Studio sequence.

PREREQUISITES

Completion of Arc 301 Design Studio

ENROLLMENT

The minimum-maximum enrollment will be determined annually by the School Director in consultation with the instructor of this course.

CONTACT

This Course meets Monday, Wednesday, and Friday from 1:00 to 4:50 pm.

WEB + D2L

This course will be supported over D2L.

COST

There are fees directly related to the instruction of this course aside from the standard tuition established by the College and University. Course materials (such as modeling materials and printing) and field visits will present additional, discretionary costs and are the responsibility each individual student.

COURSE CONTENT

CATALOGUE DESCRIPTION

Design of small community institutions, celebrating and in symbiosis with two distinct ecological contexts, emphasizing environmentally responsive, responsible, resourceful proposals, harming the fewest things.

OBJECTIVES AND OUTCOMES

After taking this course, students should be able to:

1. Understand how sun, wind, rain, water, earth, air, light, heat, material, ecology, geology, when faithfully combined with the human needs for comfort, shelter, community, meaning, mood, functionality, economy, choice, safety, and equity induce responsive and responsible architecture.
2. Express phenomena in the Sonoran Desert and the interconnectedness of things in nature and critically analyze the appropriateness of human habitation within it, and thereby develop better design proposals that are guided by ethical relationships with the land.
3. Employ appropriate sustainable building technologies that use materials efficiently, appropriately and with careful consideration to produce architecture of quality, beauty and meaning.
4. Develop an array of techniques for solving problems by inquisitiveness, intuition, experimental play, abstraction and empirical observations to discover old and new strategies for better human dwelling experiences and develop design procedures that use a wide range of media to think about and describe architecture.

NAAB PERFORMANCE CRITERIA:

The National Architectural Accrediting Board identifies 32 performance criteria organized into three realms. An accredited degree program must demonstrate that each graduate possesses the knowledge and skills defined by the criteria. The knowledge and skills are the minimum for meeting the demands of an internship leading to registration for practice. The criteria, which this course satisfies, are indicated in the box at the upper right corner of page one of this syllabus. Criteria designated as primary claims for this course is noted accordingly below. The material covered in this course offers students proficiency (at the indicated level of accomplishment) in the following subject areas as defined by the National

Architectural Accrediting Board (NAAB), http://www.naab.org/accreditation/2009_Conditions.aspx:1

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NAAB Criteria A.1 A.2 A.6 B.2 B.3 B.8 D.5

COURSE COMPONENTS + CRITERIA OF EVALUATION

The graded components of this course and their criteria of evaluation are:

Some or all of the course exercises contain required readings, which will be discussed in a group setting. Each reading will be posted on D2L, and grading for each will be integrated into the exercises overall.

PROJECTS

Students will work in the design studio during class time and come fully prepared to participate in every class. Projects require significant investments of time beyond class time. The studio is the single most important learning instrument available to the students, for this reason students are encouraged to work beyond class time in the studio. In addition to the time dedicated for group discussions, and individual desk critiques, the course will involve field trips outside of the studio environment as a class and independently. These field excursions are integral to the course. Students will be asked to carpool as much as possible. Other types of participation may be specified and scheduled within each assignment.

The course is structured around three general types of exercises:

Projects –are exercises focused on distilling and synthesizing information into designed solutions.

Charrettes – These may be pass/fail iterative exercises built-into Projects as a method for exploring ideas.

¹**Understanding:** The capacity to classify, compare, summarize, explain and/or interpret information. **Ability:** Proficiency in using specific information to accomplish a task, correctly selecting the appropriate information, and accurately applying it to the solution of a specific problem, while also distinguishing the effects of its implementation.

Assignments – these are brief research exercises that are in the service of the semester’s Project. They are built into the Project exercises.

Quizzes – may be unannounced exercises focused testing specific skill development. These are pass/fail exercises. Which must be passed satisfactorily to pass the course. Quizzes are used to determine how well each student is in command of the course materials. Each student should keep an illustrated notebook journal with the record of explorations, misfires and successes. In it the students will record the design and research process, field observations and experiences and any other material required by the instructor.

Other course components include: Seminars - to be announced / discussions - to be announced / Readings and Videos - to be assigned. Reading and research are integral to the design process, as are research through iterative drawing and model investigations. Required Texts: Assigned readings will be made available through the d2L site: <http://d2l.arizona.edu/>

WEIGHT

The Course Components will be weighted as follows:

ASSIGNMENTS

PHENOMENA	<i>Time Marker</i>	10
SITE DESIGN	<i>Campus Master Plan (&precedent study)</i>	20
RESEARCH	<i>Sustainability Strategies integration</i>	pass/fail
COMMUNITY	<i>Chapel (w Campus & precedent studies)</i>	10
BUILDING	<i>Processing Place (&precedent study)</i>	25
SYNTHESIS	<i>Synthesis (final review)</i>	35
		100%

Note: Some Assignments in this course are embedded in the Projects and are marked as Pass/Fail, meaning that there is no numerical grade associated directly with it. However, STUDENTS MUST PASS THOSE ASSIGNMENTS TO PASS THIS COURSE. Those non-passing assignments can be resubmitted, at the discretion of the instructor, but will be considered late and graded according to the late policy in this syllabus.

EXTRA CREDIT

Extra credit may be offered at the discretion of the studio coordinator. Students will be notified in class and by email of extra credit opportunities should they arise.

REFERENCES REQUIRED

GENERAL

Two Required Readings are as follows (more texts may be assigned):

Leopold, Aldo, The Sand County Almanac, with Essays on Conservation from Round River, New York, Oxford University Press, 1952.

'The Land Ethic', pp. 237-264.

Phillips, Steven J., + Comus, Patricia Wentworth editors, A Natural History of the Sonoran Desert, Tucson, Arizona-Sonoran Desert Museum Press, 2000.

(Chapters to be determined)

SEMESTER SCHEDULE

A separate course calendar is a part of this syllabus.

POLICIES + STATEMENTS

GRADING

Evaluations will be distributed at intervals during the semester and will indicate performance according to the stated criteria of evaluation. Students are expected to use this system to monitor and adjust their performance and to seek additional support from the professor, as appropriate. Evaluations will be based primarily on student’s work, rather than effort expended. Students are expected to acquire knowledge and skill, not merely *endeavor* to do so.

CHANGE

By its very nature, the practice of architecture requires an ability to adapt to change, both by responding to unforeseen events in the delivery of services and in the revision of the work. Because an ability to adapt and embrace change is an essential skill in our profession, it may be considered in evaluations for this course.

LATE WORK

Work submitted after the deadline (if accepted by the section instructor and the studio coordinator) will be graded one letter grade below what would have been awarded had the work been submitted on time. For each additional 24-hour period of lateness beyond its due date, the project will be graded one additional letter grade below what would have been awarded had the work been submitted on time.

Failure to upload projects to D2L before the specified time in the assignment deadline is considered Late Work. Students should learn to manage file sizes to avoid problems uploading their work. Students should understand that technology can fail and therefore must plan accordingly. Technological failures do not excuse late work.

INCOMPLETE WORK

Incomplete work refers to work that must be submitted but does not fulfill the assignment as required due to circumstances beyond the student's control. Students with incomplete work must petition in writing for an extension, giving compelling evidence why the work should be considered Incomplete and why the student should be allowed to finish the work later. Incomplete work will not be accepted without the instructor's and studio coordinator's approval and written agreement on the revised due dates and grading policy.

GRADING SCALE

Grades will be defined as follows:

scale undergraduate criteria	
A (90-100)	Excellence in most areas of evaluation, high competence in others.
B (80-89)	High Competence in most areas of evaluation, competence in others.
C (70-79)	Fulfilled all course requirements with competence. (Competence: the answering of all requirements; adequate fitness, ability, capacity; sufficient for the purpose.)
D (60-69)	Less than competent work in one or more areas of evaluation. One or more requirements lacking and/or sub-standard quality.
E (0-59)	Substantially incomplete work and/or work of an unsatisfactory quality.
Incomplete	Work left incomplete at the end of the semester <i>due to circumstances beyond the student's control.</i>

GRADE APPEAL

Students who believe they have been unfairly graded should follow the multi-step procedure outlined in the CAPLA Grade Appeal:

<http://architecture.arizona.edu/student-forms-and-procedures>

ATTENDANCE

Students are required to attend all classes for their duration. Upon the 4th Absence (whether in part or for a session's entirety), the final grade will be lowered by 5% per absence.

EXCEPTIONS

All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion in writing in advance of the event.

Observances pre-approved by the UA Dean of Students will be honored, as listed at:

<http://www.registrar.arizona.edu/religiousholidays/calendar.htm>

EXCUSED ABSENCE

The Instructor may grant an Excused Absence for an outside educational opportunity at the request of the Director or another instructor. Students granted an Excused Absence remain responsible for turning in work on time, even if due on the excused date, as well as getting all information and assignments covered during an Excused Absence. An Excused Absence does not count against the number of Absences specified above.

EMERGENCY ABSENCE

The Instructor may grant an Emergency Absence for bona fide events outside the control of the student, such as sudden serious illness requiring hospitalization, bodily harm, or immediate family emergency. Emergency Absences must be certified by a professional in writing, such as doctor's excuses, police reports, or evidence of funeral; evidence must be submitted by the student within two weeks of the event and must include the certifying professional's contact information. "Immediate Family" is limited to parents, children, stepchildren, and co-habiting partners and spouses. To qualify as an Emergency Absence, an illness must be a true emergency ("requiring immediate professional medical attention"); otherwise it will be treated as a standard Absence. Scheduled doctor consultations do not qualify. Students granted an Emergency Absence remain responsible for turning in all work as well as for getting all information and assignments covered, but may be granted extended deadlines. Instructors are not obliged to grant Emergency Absences if the period missed makes it impossible for the student to achieve a competent level of accomplishment consistent with expectations for the rest of the class.

DOCUMENTATION STANDARDS

A professional standard in contract documents insures that every page indicates sufficient information to link it to its host set and, similarly, every drawing provides sufficient metadata that it is clearly linked to its dataset. In keeping with this data standard, documentation in this course will comply with the following standards:

PROJECT DOCUMENTATION

Every sheet of every project will indicate the following information on its face:

- course number
- semester/year
- professor
- student author(s)
- current date of the work
- page or sequence number

DRAWING DOCUMENTATION

Every drawing will indicate:

- drawing type (plan, section, elevation, perspective, axonometric, etc.)²
- graphic scale³
- orientation indicator (north arrow for plan; directional description for vertical projections (e.g., South Elevation; Perspective Looking North))
- reference indicators (section and elevation markers, blow-up references) that link the drawing to relevant documents

ARCHIVE DOCUMENTATION

All work produced in fulfillment of University requirements becomes the property of, and may be retained by, the School. Work shall be submitted for this course that demonstrates both the learning objectives and the final project(s), as requested by the professor. Digital files shall be submitted in the following naming convention:

ARC 302_ 2016S_ category_ Lastname.F

(*category* is the assignment type or drawing type, e.g., SitePlan, LongitudinalSection3, Homework4
Lastname.F is the student's last name and first initial)

where

ARCXXX is the course number, e.g., ARC401;

YYYYS is the year and semester (F/S/SUM), e.g., 2013F;

category is the assignment type or drawing type, e.g., SitePlan, LongitudinalSection3, Homework4; and

Lastname_F is the student's last name and first initial

² A "DETAIL" is not a drawing type. Every drawing is a detail, considered from some perspective.

³ It is essential that all drawings have *graphic* scales, as notational scales are meaningless with digital documentation and dissemination.

CLASSROOM BEHAVIOR + STUDIO CULTURE

The use of cell phones, pagers, electronic devices or other materials unrelated to course specific activities are not permitted during or near course hours; neither are unauthorized discussions amongst students or other disturbances.

All electronic media are limited to narrowcasting (headsets) at all times, set to a volume that is not audible to others. Per the University policy, non-assist animals are forbidden from University buildings.

Students are responsible for checking their UA email and course D2L sites Monday-Friday, at least once every twenty-four hours, for communications from the Professor.

ACADEMIC POLICIES

Academic policies can be found in The University of Arizona General Academic Catalog: [academic integrity](#)

academic integrity

Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog: <http://deanofstudents.arizona.edu/codeofacademicintegrity>.

INCLUSIVE EXCELLENCE

This course will follow the UA diversity initiative designed to create a welcoming environment for all. Instructors and students will use names and pronouns as requested and will accommodate modifications to names and/or pronouns after course registration.

<http://diversity.arizona.edu/>

nondiscrimination + anti-harassment

Students are encouraged to express well-formed opinions and their reasons there for. They are expected to create a tolerant and open environment where such opinions can be expressed without bullying or discrimination. The University is committed to creating and maintaining an environment free of discrimination: <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

ELECTIVE NAME AND PRONOUN USE

This course sponsors an educational environment of inclusion and mutual respect, including elective gender pronoun use and self-identification; rosters indicating such choices will be updated throughout the semester, upon student request.

PLAGIARISM

The practice of taking someone else's work or ideas and passing them off as one's own is known as plagiarism and is a serious violation of academic and professional ethics. The consequences for plagiarism are severe, including a failing grade for the course, suspension, or expulsion from the University per the UA policy on plagiarism:

<http://deanofstudents.arizona.edu/codeofacademicintegrity>

TESTING: In any testing situation, whether graded or not, students shall not refer to outside resources (whether printed materials, such as books and journals, texts, Internet, e-mail, Google, instant messaging, or other resources) unless explicitly instructed to do so by the professor of record. Students operating digital devices in testing situations when not authorized to do so shall be assumed to be cheating.

CITATION: Plagiarism applies to the intellectual property of professional and public works, as well as to the work produced by peers. Students shall be assiduous in citing the work of others, whether in copying a graphic, either in part or in total, in quoting a text, or in building upon ideas, designs, or forms. Citation is used to give credit to the original author and to allow others to identify and trace source material.

Building upon the work of others is an inevitable part of learning and inherent to scholarship; hence it is an acceptable practice as long as the original sources are properly cited. Textual citations should follow the proper format specified in the *Chicago Manual Of Style*. Citations of buildings and other designed works should include both a) project and b) source information:

- a) project citation: the work's name or title, its location, the name of its designer(s), and the date designed (or, if built, constructed).
- b) source citation: the source from which the information or illustration of the work was obtained formatted according to the *Chicago Manual Of Style*:
http://www.chicagomanualofstyle.org/tools_citationguide.html

This course follows the University of Arizona's Policy on plagiarism:
<http://deanofstudents.arizona.edu/codeofacademicintegrity>

PRODUCTION: Using the labor of others, whether paid or freely given, offers the beneficiary an unfair advantage relative to peers and is prohibited unless expressly authorized in writing by the professor(s) of record.

THREATENING BEHAVIOR

All participants must follow the University of Arizona's Policy on student behavior:
http://deanofstudents.arizona.edu/sites/deanofstudents.arizona.edu/files/disruptive_threat_bklt_Web_0.pdf

ACCESSIBILITY AND ACCOMMODATIONS

Universal Design is the obligation of every architect and should be a quality of every environment. It is also the University's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please contact the professor or Disability Resources (520-621-3268) to establish reasonable accommodations.
<http://drc.arizona.edu/instructors/syllabus-statement>

RETENTION OF WORK

The School of Architecture may retain samples of student work produced in this course as part of the accreditation process of the National Architectural Accrediting Board, Inc. (NAAB) or other University purposes. This may include models, mock-ups, prints, and other physical documents. Students will be notified of work that needs to be retained and shall submit those to the Archivist or the Instructor, as determined by the Instructor, before grades will be released. After accreditation review, the owners of the retained work will be given the opportunity to reclaim it at their own expense (at the name and email address affixed to the product by the student at the time of submittal) for up to 30 days after notification. By contributing work students aid the School in certifying its work, which is essential to the standing and reputation of the institution, for which the Faculty is grateful.

end of syllabus

Materials in this course may be copyrighted. They are intended for use only by students registered and enrolled in the course and are only for instructional activities associated with and for the duration of the course. They may not be retained in another medium or disseminated further without the written permission of the instructor. They are provided in compliance with the provisions of the Teach Act: <http://www.copyright.com/Services/copyrightoncampus/basics/teach.html>. Students should refer to University copyright policies: <http://www.library.arizona.edu/help/tutorials/copyright/index.html>