

Course Title and Number

**ARCH 405 Architectural Design**

**IV**

Instructor Information

Michael OBrien 407 Langford

Prerequisites

Arch 305

Co-requisites

Course Topics/calendar

Week	Study		Deliverable	Occasions
1 8.25	3 Alternatives for the Story-Teller's Hut		3 sketch models at 1/16" scale	Arkansas State
2 9.1	Development and Description		Plans, (1/8") sections, (1/4") elevations, (1/8") Site plan (1/16") due.	At New Mexico
3 9.8	Confirmation and Presentations		Presentation site plan, floor plans, framing diagrams, system diagrams, sections, elevations due. (more needed for excellent evaluation consideration)	Academic Convocation 9.12.08
4 9.15	A campus building on the edge.		Graphic translations, critical dimensions, relationships. Analysis of climate, context, paths, diagrammed conclusions	Miami 9.20
5 9.22	3 instincts about a campus building		Sketch models (3) resulting from above	Army 9.27
6 9.29	3 cores		Core scheme alternatives at ¼ to ½" (plan, sections, onsite)	At Oklahoma 10.4
7 10.6	3 frames		Systems alternatives for gravity and wind load, framing plans and sections	Kansas State 10.11
8 10.13	4 envelopes		Envelope alternatives for schemes in 3d (axon or cad)	Mid-semester grades due. Texas Tech 10.18
9 10.20	All together			At Iowa State 10.25
10 10.27	All together		Two best alternatives from the above	Last day to Drop 10.31 Colorado 11.1
11 11.3	What makes a system?		Component combinations and control strategies	Oklahoma 11.8
12 11.10	System routing		Alternative paths and sizes	Registration for Spring Classes opens 11.13 At Baylor 11.15
13 11.17	The best places within & without		Places for one: surfaces, color, lighting, inhabiting within. Site lighting, site surfaces, enclosures in plan and section	Bonfire Remebrance 11.18
14 11.24	Presentations		Portfolio pages, Boards and Models (digital, physical)	Thanksgiving Holiday 11.27, 11.28 At Texas 11.28
15 12.1	Presentations		Portfolio pages, Boards and Models (digital, physical)	Last day of class, Tues 12.2

**Grading:**

Grading will be based on weekly deliverables submitted at the close of business on the Friday of each week.

Two grades will be given, a pre-midterm grade issued following submittal of deliverable on 10-10-2008. This grade will constitute 47% of the semester grade and a grade based on work completed and submitted as weekly deliverables and a final presentation constituting 53% of the semester grade.

**List of Assignments, tests, etc.**

Assignments and deliverables as listed on the calendar and supplemented by handouts issued in-class.

**Statements on attendance:**

The university views class attendance as an individual student responsibility. **Students are expected to attend class** and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. This information should be provided on the course syllabus, which should be distributed at the first class meeting. Graduate students are expected to attend all examinations required by departments or advisory committees as scheduled formally.

Students who are requesting an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code (See Rule 24).

**Excused Absences**

7.1 The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for absence. Among the reasons absences are considered excused by the university are the following: ( 1 Muster)

7.1.1 Participation in an activity appearing on the university authorized activity list. (see List of Authorized and Sponsored Activities <http://studentactivities.tamu.edu/online/sponsauth/>)

7.1.2 Death or major illness in a student's immediate family. Immediate family may include: mother, father, sister, brother, grandparents, spouse, child, spouse's child, spouse's parents, spouse's grandparents, stepmother, step-father, step-sister, step-brother, step-grandparents, grandchild, step-grandchild, legal guardian, and others as deemed appropriate by faculty member or student's academic dean.

7.1.3 Illness of a dependent family member.

7.1.4 Participation in legal proceedings or administrative procedures that require a student's presence.

7.1.5 Religious holy day. (See Appendix IV. <http://student-rules.tamu.edu/append4.htm>)

7.1.6 Injury or illness that is too severe or contagious for the student to attend class.

7.1.6.1 Injury or illness of three or more days. For injury or illness that requires a student to be absent from classes for three or more business days (to include classes on Saturday), the student should obtain a

medical confirmation note from his or her medical provider. The Student Health Center or an off-campus medical professional can provide a medical confirmation note only if medical professionals are involved in the medical care of the student. The medical confirmation note must contain the date and time of the illness and medical professional's confirmation of needed absence.

7.1.6.2 Injury or illness less than three days. Faculty members may require confirmation of student injury or illness that is serious enough for a student to be absent from class for a period less than three business days (to include classes on Saturday). At the discretion of the faculty member and/or academic department standard, as outlined in the course syllabus, illness confirmation may be obtained by one or both of the following methods:

Texas A&M University Explanatory Statement for Absence from Class form available at <http://attendance.tamu.edu>.

Confirmation of visit to a health care professional affirming date and time of visit.

7.1.6.3 An absence for a non acute medical service does not constitute an excused absence.

7.1.7 Required participation in military duties.

### **Textbook/resource material listing**

#### **Recommended for purchase:**

The Architect's Studio Companion, Edward Allen, Joseph Iano, (any edition, the more recent the better) newest edition listed at \$60.86 at Amazon, \$10.00 and up at ABE.com.

#### **Online Resources:**

Electrical Load Calculator:

[http://www.zenfixit.com/load\\_calculations.shtml](http://www.zenfixit.com/load_calculations.shtml)

Photovoltaic System Calculator:

<http://www.solarpower.org/art18.html>

Battery and PV system Calculator:

<http://www.jgsee.kmutt.ac.th/exell/Solar/PVSystems.html>

Residential Sustainability

[http://www.seco.cpa.state.tx.us/re\\_sustain\\_links.htm](http://www.seco.cpa.state.tx.us/re_sustain_links.htm)

Americans with Disabilities Act Accessibility Guidelines

<http://www.access-board.gov/adaag/html/adaag.htm>

Podcasts about the ADA, Building Code, Materials and Methods of Construction can be downloaded (right click, save-as) and viewed in itunes or quicktime. These are found at:

[http://mjobrien.com/podcast\\_lectures](http://mjobrien.com/podcast_lectures)

All course information is posted at:

[http://mjobrien.com/arch\\_405\\_fall\\_2008](http://mjobrien.com/arch_405_fall_2008)

### **Americans with Disabilities Act (ADA) Policy Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Cain Hall or call 845-1637.

### **Academic Integrity Statements**

#### **AGGIE HONOR CODE**

“An Aggie does not lie, cheat, or steal or tolerate those who do.”

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

For additional information please visit: <http://www.tamu.edu/aggiehonor/>

Pledge (recommended)

On all course work, assignments, or examinations at Texas A&M University, the following Honor Pledge shall be pre-printed and signed by the student:

“On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work.”