Curricular and/or Degree Plan Changes

A = Approval I = Information

Course number: **DSGN 251** or Degree Plan(s) _____

State the requested change and reason (a memo may be attached if more space is necessary):

Request to create a new course – DSGN 251: Construction I: Materials & Methods. This course is a new requirement in the Pre-Architecture degree plan. This is a lower-level course that is ubiquitous at other institutions with architecture programs.

Circle the number that corresponds to the requested change. (degree plan changes on other side)

	Change to Course:	COUNCILS*								
		Dept	Deans	College Academic	UUAC	GEC	G RAD	Provost	Faculty	President
1.	Title (description unchanged)	A	A	A	I			I	--	I
2.	Description (not affecting content)	A	A	A	I			I	--	I
3.	Content	A	A	A	A			A	--	A
4.	Number of hours (lecture, lab, contact)	A	A	A	A			A	--	A
5.	Course number within the hundred	A	A	I	I			I	--	I
6.	Course number beyond the hundred	A	A	A	A			A	--	A
7.	Prerequisites	A	A	A	I			I	--	I
8.	From U to G *or* G to U	A	A	A	A			A	--	A
9.	Cross list w/another dept: U or G level	A	A	A	A			A	--	A
10.	Department of record	A	A	A	A			A	--	A
11.	Open or **close a course**	A	A	A	A			A	--	A
12.	New course – see Gary Tucker for packet (including combining or splitting a course(s))	A	A	A	A			A	--	A

*** In most cases, approval by only one council is necessary.**

Note: When an academic unit does not have a council the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

Curricular and/or Degree Plan Changes

A = Approval I – Information

	Changes in Catalog Degree Plan Requirements: Note – **All graduate** degree program changes must go through the graduate council. See #18	Dept	Deans	College Academic	COUNCIL			Provost	Faculty	President	Board of Trustees
					UUAC	GEC	GRAD				
1.	Core – require specific course from core menu	A	A	I		I		I	--	I	--
2.	Core – change selection of specific course in core menus	A	A	I		I		I	--	I	--
3.	Core – substitute course for core requirement	A	A	A		A		A	I	A	--
4.	Core – add a new course to core menu	A	A	A		A		A	A	A	--
5.	Core – change in approved course content	A	A	A		A		A	--	A	--
6.	Major – change course selection in major (hours equal)	A	A	A		I		I	--	I	--
7.	Major – reduce or increase hours required in major (within university minimum and maximum) ♦	A	A	A		I		I	--	I	--
8.	Major/Area of emphasis (e.g. BAS) – revision of major	A	A	A		A		A	--	A	
9.	Major/Adopt or change admission requirements	A	A	A		A		A	--	A	--
10.	Major/Area of emphasis (e.g. BAS) – add new major	A	A	A		A		A	A	A	I/A
11.	Supplement – change course selection in supplement (hours equal or greater) ♥	A	A	A		I		I	--	I	--
12.	Supplement – reduce hours required ♥	A	A	I		I		I	--	I	--
13.	Electives – reduce hours below university minimum ♣	A	A	A		A		A	I	A	--
14.	GPA – revise major requirement	A	A	A		A		A	--	A	--
15.	GPA – revise cumulative requirement	A	A	A		A		A	--	A	--
16.	Minor – revise course selection	A	A	A		I		I	--	I	--
	Minor – add or discontinue with a major	A	A	A		A		A	--	A	--
	Minor – add or discontinue without a major	A	A	A		A		A	A	A	
17.	Add new degree	A	A	A		A		A	A	A	A
18.	Any change to a graduate degree program	A	A	A		A		A	--	A	--

* In most cases approval by only one council is necessary.

♦ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g. BA, BS). The maximum in the major must allow for at least 6 hours of electives.

♥ Supplement - A set of *required* courses in a degree program that are outside the university core, the degree core, and the required courses in the major field. Supplement courses are not elective in nature, and ordinarily do not include "menu" options (that is, a series of courses from which the student selects one or more).

♣ The university minimum for elective hours is 6.

Revised 10/25/2005

Abilene Christian University

Application for a New Course v7.1

Course ID *Subject and Number*	DSGN 251
Date APPROVED	
Date DENIED	

I. Systems and Catalog Information Complete each item.

1	Course Developer	Brandon Young
2	Course Teacher	Brandon Young
3	Course Title	Construction I: Materials & Methods
4	Course Abbreviation (if title is over 30 characters)	Construction I
5	College	Arts & Sciences
6	Department	Art & Design
7	Number of Credit Hours	3
8	Is the course Fixed Credit or Variable Credit?	Fixed Credit
9	Is the course repeatable?	No
10	Maximum number of times course may be repeated	N/A
11	Maximum number of hours credit	N/A
12	Explanation for variable credit	N/A
13a	Course contact hours - LEC	3
13b	Course contact hours - Lab	1
13c	Course contact hours - Practicum	N/A
13d	Course contact hours - Seminar	N/A
13e	Course contact hours - Studio	N/A
13f	Course contact hours - Online	N/A
13g	Course contact hours - Colloquium	N/A
13h	Course contact hours – Field Experience	N/A
13j	Course contact hours - Internship	N/A
13k	Course contact hours - Research	N/A
13m	Course contact hours - Workshop	N/A
13n	Course contact hours – Other (specify)	N/A
14	Instructor Workload	4 hrs
15	Grade Mode (check all appropriate):	_X__Standard ___Credit/No Credit (undergrad only)
16	Maximum Enrollment	22
17	**Catalog Description** (50 words or less)	Introduction to building construction materials, methods and structures, as well as building envelope performance and sustainability considerations.
18	List any prerequisites (course/s, test scores, class standing, major, etc.)	N/A
19	List any co-requisites	N/A

20	If the course is cross listed, specify the Course ID(s) MUST have signature in Section V off all Department Chairs	N/A
21	Does this course have any special student costs? Yes/No *Attach a completed "Request to Add or Change Course Fees" form.* *Describe in section IV-F.*	N/A
22	How often will it be offered? **Fall**	Yes
23a	How often will it be offered? **Spring**	N/A
23b	How often will it be offered? **Summer**	N/A
23c	How often will it be offered? **Fall**	Yes
24	Frequency?	1 section per semester/session
25	First semester this course will be offered *New courses may not be taught under their approved course ID until they appear in the catalog, therefore, no earlier than the coming fall.*	Fall 2012
26	List course/s that should be deleted, include the last semester for course/s being deleted *A course cannot be deleted when it is a requirement in a degree plan in any department.*	N/A
27	Is this course required for a degree/s? Yes/No *If "Yes," attach a revised degree plan(s) reflecting the placement of the new course.*	Yes
28	Has this course been offered as a Special Topics course? Yes/No *If "Yes," specify the Course ID and enrollment for each term it was taught.*	No
29	List any courses in which content overlaps the proposed course. (Course ID and Name) *Attach statement from instructor/dept chair of existing course justifying the new offering in Section IV-D.*	N/A

II. Curriculum

1	**Degree Plan** Explanation of how this course affects degree requirements.	This course will be a required major course in the pre-architecture curriculum. Please see degree plan for details.
2	**Justification** State the justification for adding this course to the current curriculum. Represent the need	The addition of this course is part of larger, more comprehensive changes to the Pre-Architecture curriculum. A lower-level course in the fundamentals of construction and materials is ubiquitous at other institutions providing degrees in architecture, but ACU currently does not offer anything comparable. In an effort to better equip our pre-architecture

		students for continued study in architecture, this course is a necessity in their foundational education.

III.Course Design

1. Audience and Course Goal

1	Describe the intended audience, including prerequisite skills.	This course targets students interested in pursuing a career in architecture, design and/or construction, and those interested in developing a fundamental understanding of building construction methods, materials and structures.
2	State the overarching course goal(s) in performance terms.	By the end of the course, students should demonstrate a fundamental understanding of building construction methods, materials and structures. Students should be able to communicate, both in writing and graphically, the characteristics of building materials, assemblies and structural systems. Students should be able to determine the appropriate selection and application of building materials, assemblies and structural systems.

2. Competencies and Measurements

	Competency	Measurement Instrument	Measurement Standard
	Competency	**Measurement Instrument**	**Measurment Standard**
1	Integrate design and construction terminology into writing	Site Visit Journal, Paper	A. All design and construction terms are used in an appropriate context. B. Terms are used in diverse contexts.
2	Graphically illustrate construction materials, products, components, processes, systems and assemblies	Site Visit Journal, Exams, Exercises, Paper	A. Representation accurately depicts important characteristics of elements. B. Connections between elements are clear and communicate understanding of assemblies. C. Graphic symbols and drawing conventions are appropriately used.
3	Define project delivery methods and identify the associated advantages and disadvantages of each	Exams, Exercises	A. Definitions of delivery methods are accurate and selection of methods are appropriate. B. Comparisons between methods are thorough and thoughtful.
4	Identify and define construction materials, processes and structural systems	Exams, Exercises, Site Visit Journal, Paper	A. Definitions of materials, processes and systems are accurate and used in an appropriate context.

			B. Provide clear similarities and differences, in writing and graphically, between materials, process and systems.
5	Understand the basic principles of structural behavior	Exams, Exercises, Paper	A. Demonstrate understanding of different types of loads. B. Accurately identify the fundamental strengths and weaknesses of common building materials. C. Determine appropriate structural system based on material(s) chosen.
6	Select the appropriate construction materials, products, components, assemblies and structures based on their characteristics, performance and environmental impact	Exams, Exercises	A. Materials selected effectively meet specific criteria. B. Trade-offs are appropriately identified and evaluated. C. Issues of sustainability are integral to decision-making.

3. Text and Resources

1.Give the full publication information of the textbook/s and other required resources and outside readings.

Required:

- Allen, Edward and Joseph Iano. *Fundamentals of Building Construction, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.
- Allen, Edward and Joseph Iano. *Exercises in Building Construction, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.

Recommended:

- Ching, Francis. *Building Construction Illustrated, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.
- Frampton, Kenneth. *Studies in Tectonic Culture: The Poetics of Construction in Nineteenth & Twentieth Century Architecture.* The MIT Press, 2001. Print.
- Ramsey/Sleeper. *Architectural Graphic Standards: Student Edition, 11th ed.* John Wiley & Sons, 2008. Print.

IV. Supporting Documentation

Supporting documents must accompany proposal prior to preliminary approval by chair and dean.

	1	**Library** — Submit new course application and syllabus to the Director of the Library. Consult with the director and establish a deadline for completion of the library report. **Attach** the signed copy of the library director's report.
	2	**Instructional Design** — The application and syllabus must be reviewed by the Adams Center. **Attach** a copy of the Adams Center Review Letter.
	3	**Degree Plan** — The impact of the course must be reviewed by the Director of Curriculum. **Attach** degree plan signed by the Director of Curriculum.
	4	**Content Overlap** — Include one document for each course you listed in Section I-I. **Attach** statement from instructor/dept chair of existing course justifying the new offering.
	5	**Departmental Resources** — List the resources that support the course and are available only through the department, if applicable. **Attach** the list of the holdings and the location/s.
	6	**Resources** — List resources (other than library or departmental resources) that are needed to support this course (computers, lab equipment, other technology, etc.). **Attach** a complete list of all items and indicate possible sources or estimated cost of each. List the sources of any needed funds.
	7	**Expenses** — List additional expenses needed to implement this course (full-time or part-time faculty, graduate or lab assistants, student employees, travel, special student costs, room renovation, storage facility, etc.). **Attach** a complete list of all items, the estimated cost of each and the source of the funds.
	8	**Justification** — **Attach** all documents referred to in Section II-2
	9	Syllabus — **Attach** the syllabus for the course based upon the anticipated first-semester offering.
	10	Provide documentation for all additional attachments here

V.Preliminary Approvals

All supporting documentation has been assembled and attached to this application. I believe this course is ready to be presented to appropriate councils. We have a plan to fund this new course.

Primary Department

Department Chair

10-26-4
Date

Dean of the College

11-28-11
Date

Cross-listing Department *Add more lines if multiple departments are cross-listing*

Department Chair

Date

Dean of the College

Date

Cross-listing Department *Add more lines if multiple departments are cross-listing*

Department Chair

Date

Dean of the College

Date

VI. Approvals *Place all approvals on one page.*

A. Course ID: DSGN 251

Course Title: Construction I: Materials & Methods

1. **College Academic Council Action**: (for all courses)
Note: Insert additional lines for College Academic Council action for each college involved in cross-listed courses.

Approved ✓ Denied ___ _____ 11-9-11
College Dean or Director Date

Approved ___ Denied ___ _____ _____
College Dean or Director Date

2. **Graduate Council Action**: (for graduate level courses)

Approved ___ Denied ___ _____ _____
Dean of Graduate School Date

3. **University Undergraduate Academic Council Action**:
For undergraduate level courses only

Approved ___ Denied ___ _____ _____
Associate Provost Date

4. **University General Education Council Action**: (when applicable)

Approved ___ Denied ___ _____ _____
Provost or designee Date

5. **University Budget Committee Action**: (when applicable)
When applicable – see New Course Application Instructions

Approved ___ Denied ___ _____ _____
Chair, University Budget Committee Date

6. **Academic Provost Action**: (for all courses)

Approved ___ Denied ___ _____ _____
Provost Date

7. **President of the University Action**: (for all courses)

Approved ___ Denied ___ _____ _____
President Date

Attach notes, comments, or conditions from appropriate councils:

ABILENE CHRISTIAN UNIVERSITY

LIBRARY

M E M O R A N D U M

DATE: October 26, 2011

TO: Brandon Young

FROM: Mark McCallon, Associate Dean for Library Services

RE: Course Application for DSGN 251 – Construction I – Materials and Methods

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After reviewing the course application, the library is able to support the proposed course. Thank you for the opportunity to evaluate the syllabus and course proposal.

ADAMS CENTER
TEACHING · LEARNING · TECHNOLOGY
Abilene Christian University • ACU Box 29201
Abilene, Texas 79699-9201

MEMORANDUM
To: ***The University Undergraduate Academic Council***
Regarding: Construction I: Material & Methods
Course Designer: Assistant Professor Brandon Young
Course Identification: DSGN 251
Date: 10.27.11

COMPLETION OF SYLLABUS REVIEW

The Adams Center for Teaching and Learning has reviewed the syllabus for Construction I-Material & Methods (DSGN 251). This syllabus adheres fully to the syllabus checklist and has the support of the Adams Center for Teaching & Learning.

A copy of this document should accompany the New Course Application as *Supporting Documentation (Section IV)* when presented to the UUAC. This document does not represent or address approval or review by the appropriate college academic council.

Sincerely,

Dr. Scott Hamm,
Director of Mobile Learning Research

DSGN 251: Construction I – Materials & Methods

Fall 2012 / Time: MWF / Don Morris (DM) 201
3 credit hours

Instructor: Assistant Professor Brandon Young
Office: Don Morris 326
Phone: 325 674 5671
E-mail: brandon.young@acu.edu
Office Hours: TBD

University Mission

The mission of Abilene Christian University is to educate students for Christian service and leadership throughout the world.

Department of Art and Design Mission

The mission of the Department of Art and Design is to provide programs of study and out-of-class experiences that will equip students with an increased understanding of the visual and spatial arts and assist them in developing the values, knowledge and skills essential to becoming artists and designers committed to Christian service.

Interior Design Program Mission

The mission of the Interior Design Program (accredited by the Council for Interior Design Accreditation) is to prepare students for Christian service in a diverse world in the formulation of solutions for creative and technically sound interior environments, which guard and enhance occupant well being.

Course Audience

This course targets students interested in pursuing a career in architecture, design and/or construction, and those interested in developing a fundamental understanding of building construction methods, materials and structures.

Course Description

Introduction to building construction materials, methods and structures, as well as building envelope performance and sustainability considerations.

Textbooks

Required:

- Allen, Edward and Joseph Iano. *Fundamentals of Building Construction, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.
- Allen, Edward and Joseph Iano. *Exercises in Building Construction, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.

Recommended:

- Ching, Francis. *Building Construction Illustrated, 5th ed.* New Jersey: John Wiley & Sons, 2009. Print.
- Frampton, Kenneth. *Studies in Tectonic Culture: The Poetics of Construction in Nineteenth & Twentieth Century Architecture.* The MIT Press, 2001. Print.
- Ramsey/Sleeper. *Architectural Graphic Standards: Student Edition, 11th ed.* John Wiley & Sons, 2008. Print.

Course Outline and Topics

"Gaining a useful knowledge of the materials and methods of construction is crucial and a necissity for the student of architecture, engineering, or construction, but it can be a daunting task. The field is huge, diverse, and complex, and it changes at such a rate that it seems impossible to ever master." – Edward Allen and Joseph Iano.

This course is structured to aid students as they navigate the complex field of building materials and construction. Beginning with an introduction to the process of making buildings, which involves understanding the roles and relationships of design and construction professionals, students will maneuver their way through the construction process from the literal bottom, foundations, up through a variety of building materials and the systems they form. Building techniques are presented as whole working systems with sufficient detail to enable further investigation. In an effort to provide an operational working knowledge, the fundamentals of building construction are presented – the course material is selective rather than comprehensive.

Topics covered in this class include:

- Choosing building systems
- Construction standards and processes
- Foundations
- Wood (heavy timber, light frame, exterior and interior finishes)
- Masonry (brick, stone and concrete)
- Steel (structural and light guage)
- Concrete (sitecast and precast)
- Alternative Materials (earth and straw)
- Building enclosure/envelope (roofing, exterior wall systems, glass and glazing, windows and doors)
- Interior walls and partitions
- Interior finishes (floors, walls and ceilings)

Class Format

The class consists of three lectures per week where building materials are presented in five distinct parts:

1. History – origins and use of materials through time
2. Properties – potential and limitation of materials

3. Sustainability – considerations for sustainable use and reuse
4. System – type of systems the materials form and methods of construction
5. Case studies – contemporary examples of buildings utilizing the materials

In addition to class lectures, students are required to attend seven site visits during the semester to manufacturing plants to observe the fabrication of building materials and components, and construction sites to observe building materials utilized in the construction process. Two hours are scheduled for each site visit. **Site visits are mandatory.**

Christian Perspective in Course

We are created in the image of God, and as such we are all co-creators with God. One of our most fundamental needs is that of shelter, and the act of building is primal. Adam and Eve took shelter in the garden, and mankind has long since used natural features as shelter (cave and forest). Much of human activity requires some type of shelter from the sun, wind, rain and/or snow. Since we must build, by necessity or desire, it is important to consider the way in whcih we build and how we use the material available to us.

I believe Wendell Berry, farmer, writer, scholar and theologian, sums it up best:
"If we understand that no artist – no maker – can work except by reworking the works of Creation, then we see that by our work we reveal what we think of the works of God. How we take our lives from this world, how we work, what work we do, how well we use the materials we use, and what we do with them after we have used them – all of these are questions of the highest and gravest religious significance. In answering them, we practice, or do not practice, our religion." – Wendell Berry

Course Goals

The primary goal of the course is to develop an early awareness of building materials, structure and assembly methods, and the ways in which they inform, and are informed by, design. By the end of the course, students should: be conversant in basic design and construction terminology; possess fundamental knowledge of the history, properties and systems of different building materials; understand the relationship between building materials and structures.

Competencies and Measurement

	Competency	Measurement Instrument	Measurment Standard
1	Integrate design and construction terminology into writing	Site Visit Journal, Paper	A. All design and construction terms are used in an appropriate context. B. Terms are used in diverse contexts.
2	Graphically illustrate	Site Visit Journal, Exams,	A. Representation accurately

	construction materials, products, components, processes, systems and assemblies	Exercises, Paper	depicts important characteristics of elements. B. Connections between elements are clear and communicate understanding of assemblies. C. Graphic symbols and drawing conventions are appropriately used.
3	Define project delivery methods and identify the associated advantages and disadvantages of each	Exams, Exercises	A. Definitions of delivery methods are accurate and selection of methods are appropriate. B. Comparisons between methods are thorough and thoughtful.
4	Identify and define construction materials, processes and structural systems	Exams, Exercises, Site Visit Journal, Paper	A. Definitions of materials, processes and systems are accurate and used in an appropriate context. B. Provide clear similarities and differences, in writing and graphically, between materials, process and systems.
5	Understand the basic principles of structural behavior	Exams, Exercises, Paper	A. Demonstrate understanding of different types of loads. B. Accurately identify the fundamental strengths and weaknesses of common building materials. C. Determine appropriate structural system based on material(s) chosen.
6	Select the appropriate construction materials, products, components, assemblies and structures based on their characteristics, performance and environmental impact	Exams, Exercises	A. Materials selected effectively meet specific criteria. B. Trade-offs are appropriately identified and evaluated. C. Issues of sustainability are integral to decision-making.
7	Select the appropriate building envelope system based on performance,	Exams, Exercises	A. Systems selected effectively to meet specific criteria. B. Trade-offs are appropriately identified and evaluated.

	aesthetics, moisture transfer, durability, and energy and material resources		C. Issues of sustainability are integral to decision-making.
8	Defend material selection relative to issues of sustainability	Exams, Exercises, Paper	A. Concepts of sustainability in the harvesting, fabrication and transportation of materials are understood and communicated accurately. B. Materials are effectively evaluated and compared to determine appropriate choice.

Competency

The National Architectural Accrediting Board (NAAB) Student Performance Criteria

- **B.9 – Structural Systems:** *Understanding* of the basic principles of structural behavior in withstanding gravity and lateral forces and the evolution, range, and appropriate application of contemporary structural systems.
- **B.10 – Building Envelope Systems:** *Understanding* of the basic principles involved in the appropriate application of building envelope systems and associated assemblies relative to fundamental performance, aesthetics, moisture transfer, durability, and energy and material resources
- **B.12 – Building Materials and Assemblies:** *Understanding* of the basic principles utilized in the appropriate selection of construction materials, products, components, and assemblies, based on their inherent characteristics and performance, including their environmental impact and reuse.

Assignments

Students will be given a recorded grade for each assignment/exam. All assignments/exams must be completed to pass the course. Students are encouraged to discuss earned grades with the professor for futher feedback.

Assignment Grade Weights:

15% – Exam 1
15% – Exam 2
20% – Final Exam
15% – Exercises
15% – Case Study paper/project
10% – Site Visit Journal
10% – Attendance Grade*

*Since class time is valuable for instruction, discussion and feedback, every student wil be given a grade for attendance. Attendance grades will be assigned as follow:

- 1 absence = 98%
- 2 absences = 94%
- 3 absences = 88%
- 4 absences = 80%
- 5 absences = 70%
- 6 absences = 58%
- 7-8 absences = 44%
- 9 absences – Drop from course

Grading Criteria

Grade Scale & Descriptions

A (90-100) - Excellent: Student's comprehension of course content and completion of assignments are exceptional. Student demonstrates a complete understanding and application of the course material.

B (80-89) - Good: Student's comprehension of course content and completion of assignments are above average. Student demonstrates a strong understanding and application of the course material.

C (70-79) - Average: Student's comprehension of course content and completion of assignments meets the minimum requirements. Student demonstrates a basic understanding and application of the course material. *Pre-Architecture majors must make a C or better to avoid retaking the course.*

D (60-69) - Unsatisfactory: Student's comprehension of course content and completion of assignments are below average. Student demonstrates limited understanding and application of the course material.

F (0-59) - Failure: Student's comprehension of course content and completion of assignments are inadequate and fail to meet the minimum requirements. Student performance is not acceptable.

Deadlines

Each assignment will have a specific due date, which will be listed in the brief and the course schedule. **All requirements for an assignment must be submitted at the beginning of class on the specified due date.** This policy applies regardless of the student's attendance on a specified due date. **Late work will be discounted by 50%.** In the case of extreme situations (ex: extended serious illness or family tragedy) that impact your performance, please contact the professor immediately so special consideration and assistance may be given.

Attendance Policy

Absences

Students are expected to attend class, be on time and be fully engaged in the material during our meeting times. Class time is valuable for instruction, discussion, feedback and dedicated time to work on projects. Arriving to class more than 10 minutes late is considered an absence. Leaving

class early without permission form the instructor is considered an absence. Engaging in any activity during class time, other than those directly related to the course, constitutes an absence. **Upon missing 20% of the course (9 absences MWF or 6 absences TR), you will be dropped from the class.** For any absence, there is an expectation students will be prepared for the next class meeting. If you miss a class, you are responsible for the material covered and any assignments given. See the "Attendance Grade" in the assignments section of the syllabus for additional information about how absences affect your grade.

If your performance is impacted negatively by excessive absences/tardiness due to extended serious illness or family tragedy, students are encouraged to discuss these circumstances immediately with the professor for any special consideration and/or assistance. Excused absences are those granted approval through ACU with the appropriate forms.

Academic Integrity

Violations of academic integrity and other forms of cheating, as defined in ACU's Academic Integrity Policy, involve the intention to deceive or mislead or misrepresent, and therefore are a form of lying and represent actions contrary to the behavioral norms that flow from the nature of God. Violations will be addressed as described in the Policy. While the university enforces the Policy, the most powerful motive for integrity and truthfulness comes from one's desire to imitate God's nature in our lives. Every member of the faculty, staff and student body is responsible for protecting the integrity of learning, scholarship and research. The full Policy is available for review at the **Provost's office website** and the following offices: provost, college deans, dean of campus life, director of student judicial affairs, director of residential life education and academic departments.

Student Work Policy

Original projects and assignments produced during this course by students may be retained by the department for use during an upcoming accreditation visit and/or to show as examples to future students. Students are encouraged to document (photograph, scan, etc.) their work frequently in order to build their portfolios. This is especially important considering first and second year reviews conducted by the department. If students need to obtain work that has been retained by the department, in order to document it or submit it to a competition or gallery show, please discuss with the instructor.

Special Needs Policy

We strive to provide equal access to all regardless of physical abilities. Please inform the instructor if you require special needs with regard to physical access and accommodations will be made as soon as possible.

Supplies & Materials Required

- 9"x11" sketchbook (for site visit journal)
- Notebook (for note-taking in class)

- Various writing/drawing utensils (pencils, pens, technical pens, SignPen, etc.)
- 25' tape measure
- Architect's scale

Course Calendar

Week 1: Making Buildings
- Introduction to course, goals, format and expectations

Week 2: Foundations

Week 3: Wood

Week 4: Wood
- Site Visit 1 (begin Site Visit Journal)
- Exam 1

Week 5: Masonry

Week 6: Masonry
- Site Visit 2

Week 7: Steel

Week 8: Steel
- Site Visit 3

Week 9: Concrete

Week 10: Concrete
- Site Visit 4
- Exam 2

Week 11: Building Envelope

Week 12: Building Envelope
- Site Visit 5

Week 13: Alternative Materials
- Site Visit 6

Week 14: Interiors
- Site Visit 7
- W-F: No Class – Thanksgiving Holiday

Week 15: Interiors
- Case Study Presentations

Finals Week: Final Exam

PLEASE NOTE: *Information in this course syllabus is subject to change at any time during the semester. All changes will be announced in class.*