ARC 410 Construction Safety Management

Course Syllabus

Fall 2016

Course Description:
Safety is a significant part of risk in construction projects. This course introduces knowledge of construction safety management, including recognition, evaluation, prevention and control of safety and health hazards in construction workplaces. Comprehensive details of OSHA safety regulations, standards and general principles of construction safety management are reviewed.

Upon successful completion of this course, students will be issued a 30 hour OSHA (Occupational Safety & Health Administration) training card in construction. This 30-hour class is more appropriate for the ones who are interested in supervisors or workers with some safety responsibility position.

Instructional Support by
Guest trainer by experienced instructors from the construction and safety industries

Course Prerequisites
None

Credits: 3

Textbook
[1] Class notes

Reference Book:

Instructor:
Dr. Qian Huang, Assistant Professor

Office:
Quigley 130A
Phone:
618-453-1254
Email: qhuang@siu.edu
Please include your course title in the subject of each email.

Office hours:
TTH 8:00 AM – 11:00 AM or by appointment;
OPEN DOOR POLICY: If my door is open, feel free to stop in.

Lecture:
Quigley 140B TTH 3PM-4:15PM (may be extended)

Learning Outcomes:
1. The student will demonstrate knowledge of OSHA standards and General Duty Clauses.

2. Student will demonstrate a basic understanding of general safety & health provisions.

3. Student will identify health hazards in construction.

4. Student will demonstrate the basics of fall protection and prevention.

5. Student will demonstrate overhead protection; identify signs, signals and barricades.

6. The student will demonstrate proper material handling, rigging, storage, use and disposal of.

**Eligibility for OSHA 30 Hour Safety Card:**

1. A final course grade of C or better, **AND**.

2. A **completed** Attendance Log (i.e. Required topics CAN NOT be missed in order to receive the card, ALL lectures must be viewed)

**Grade details:**

- Attendance 20%
- Homework 50%
- Final Exam 30%

100%

**Grading scale:**

A: 100 – 90 percent; B: 89 – 80 percent; C: 79 - 70 percent; D: below 69 percent

**Course Outline:**

[1] OSHA Outreach Training Program Requirements
(https://www.osha.gov/dte/outreach/program_requirements.pdf)

(https://www.osha.gov/dte/outreach/construction/construction_procedures.pdf)
Course Policies

1. NO ALCOHOL or TOBACCO PRODUCTS ALLOWED IN CLASS.

2. RESPECT EVERYONE. Please do not talk while the instructor is talking.

3. Each student is encouraged to check D2L throughout the week. Homework and important notice will be posted and most of the course materials will be posted. All grades will be posted on D2L.

4. Use of the word processor or other technology (e.g., PowerPoint, Excel) is mandatory for all course assignments.

5. Each piece of work must be labeled with your name, date and course number.

6. No late work will be accepted. You are expected to be responsible for your own schedule. If you are going to miss class, please make arrangements prior to this for turning in work early.

7. Each student is expected to participate and to contribute in class discussions. The instructor will try to create and to maintain a successful learning environment.

8. All cell-phones, iPods, video conferencing, and other media devices are to be turned off during class unless they are on an emergency service and you have consulted the instructor prior to the beginning of class.

Academic Dishonesty

Any act of plagiarism will result in automatic failure of the class and may result in dismissal from the program per university policy on such offenses. Any reference material used in assignments must be sourced properly. It is each student’s responsibility to know and comply with the SIUC Student Conduct Code and the policies in the Architecture Student Handbook.

Attendance

Students are expected to attend all lectures. If a class is missed, it is advisable for the student to talk with fellow students about what was missed. The instructor will answer questions about the material but will not cover the material again in a private session with the student. Students are expected bring their textbook and notebook (and any other items necessary for learning) to every lecture session, unless otherwise instructed by the teacher.

Homework: Late homework is not accepted.

Arrangements made PRIOR to missing class will be taken into consideration. If assignments are posted on D2L system, they will not be accepted after the deadline being passed.

Examinations: In the scheduled class period there will be a Mid-Term exam, exams cannot be made up if missed.

Final Examination: There will be an exam during finals week in this class.

Additional Course Policies:

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor’s control. Here are ways to get information about changes in this course.

D2L login site: https://online.siu.edu/

Links to information about ongoing emergencies: www.bert.siu.edu  www.dps.siu.edu
Syllabus Attachment
Fall 2016
Office of the Provost: http://pvcaa.siu.edu/

IMPORTANT DATES *
Semester Class Begins: 08/22/2016
Last day to add full-term course (without Dean’s signature): 08/28/2016
Last day to withdraw from the University with a full refund: 09/02/2016
Last day to drop a full-term course for a credit/refund: 09/04/2016
Deadline to apply to graduate at the end of this term: 09/16/2016
Last day to drop a full-term course (W grade, no refund): 10/30/2016
Final examinations: 12/12–12/16/2016
Commencement: 12/17/2016

Note: For more detailed information on the above deadlines, please visit http://registrar.siu.edu/calendars. For add/drop dates that apply to shorter-than-full-term courses, please look at the Schedule of Classes search results at http://registrar.siu.edu/schedclass/index.php

FALL SEMESTER HOLIDAYS
Labor Day Holiday 09/05/2016
Fall Break 10/08—10/11/2016
Veterans Day Holiday 11/11/2016

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session must officially withdraw from that registration in a timely manner to avoid being charged as well as receiving a failing grade for those classes. An official withdrawal must be initiated by the student, or on behalf of the student through the academic unit, and be processed by the Registrar’s office. For the proper procedures to follow when dropping courses and when withdrawing from SIU visit: http://registrar.siu.edu/students/withdrawal.php

INCOMPLETE POLICY ~ Undergraduate only
An INC grade may be assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments for the course. An INC must be changed to a completed grade within one full semester (undergraduates), and one full year (graduate students), from the close of the term in which the course was taken or graduation, whichever occurs first. Should the student fail to complete the remaining course requirements within the time period designated, the incomplete will be converted to a grade of F and such grade will be computed in the student’s grade point average. For more information visit: http://registrar.siu.edu/grades/incomplete.php

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit more than once. For students receiving a letter grade of A, B, C, D, or F, the course repetition must occur at Southern Illinois University Carbondale. Effective for courses taken Summer 2013 or later, only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. This policy will be applied to all transferrable credit in that only the last grade will be used to calculate grade point average. Only those courses taken at the same institution are considered repeats under this policy. See full policy at http://registrar.siu.edu/students/repeatclasses.php

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please refer to the graduate catalog at http://gradschool.siu.edu/about-us/grad-catalog/

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must contact DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM
Student Conduct Code http://srr.siu.edu/student-conduct-code/

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Care is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: call(618) 453-1492, email siukicares@siu.edu, or http://salukicares.siu.edu/

SIU’S EARLY WARNING INTERVENTION PROGRAM (EWIP)
Students enrolled in courses participating in SIU’s Early Warning Intervention Program might be contacted by University staff during a semester. More information can be found at the Core Curriculum’s Overview webpage: http://corecurriculum.siu.edu/program-overview/

EMERGENCY PROCEDURES
We ask that you become familiar with Emergency Preparedness @ SIU. Emergency response information is available on posters in buildings on campus, on the Emergency Preparedness @ SIU website, and though text and email alerts. To register for alerts visit: http://emergency.siu.edu/

STUDENT MULTICULTURAL RESOURCE CENTER
The Student Multicultural Resource Center serves as a catalyst for inclusion, diversity and innovation. As the Center continues its work, we are here to ensure that you think, grow and succeed. We encourage you to stop by the Center, located in Grinnell Commons, to see the resources available and discover ways you can get involved on the campus. Visit us at http://inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website: Tutoring: http://tutoring.siu.edu/
Math Labs http://math.siu.edu/courses/course-help.php

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit: http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

MILITARY COMMUNITY
There are complexities of being a member of the military community and also a student. Drill schedules, calls to active duty, complications with GI Bill disbursement, and other unforeseen military and veteran related developments can complicate academic life. If you are a member of the military community and in need of accommodations please visit Veterans Services at http://veterans.siu.edu/

Additional Resources:
ADVISEMENT: http://advisement.siu.edu/
SIU ONLINE: https://online.siu.edu/
SALUKI SOLUTION FINDER: http://solutionfinder.siu.edu/
MORRIS LIBRARY HOURS: http://libguides.lib.siu.edu/hours

Fall 2016 R. O’Rourke