ARCE 101
INTRODUCTION TO ARCHITECTURAL ENGINEERING

Fall Semester 2015

Time/Place: TR 11:00 a.m. to 12:15 p.m., 2112 Learned Hall

Instructor: Brian A. Rock, Ph.D., P.E., Fellow ASHRAE
Office: 2134-D Learned Hall, 785-864-3603, docrock@ku.edu
Office hours: almost any time I’m at 2134-D, or by appointment

Catalog: An introduction to the study of and careers in architectural engineering. Topics include problem solving and study skills, the building design and construction process, design documents, and professional practice issues such as licensing requirements and ethics.

Prereqs: None for admitted engineering students, consent of the instructor for others

Grading: Homework, In-Class Activities, and Quizzes
Final Grades:
90% to 100% = A
80% to 89.9% = B
70% to 79.9% = C
60% to 69.9% = D
Less than 60% = F

Total = 100%

Deliverables, for grading, must be typed/wordprocessed and submitted on paper (= “hardcopy”); e-mailed assignments are not accepted for credit. Each homework solution is due one week after assignment unless otherwise stated in class by the instructor. Late homework loses 10% per full or partial 24 hours. Advance written notice, acceptable physical proof and reason, and verification are required for a class obligation to be rescheduled; voluntary events are not acceptable reasons.

Final Exam: None.

Other: 1) Cell phones, etc. off during class. 2) Students are expected to abide by KU’s academic integrity policies found via studentaffairs.ku.edu/academic-integrity and engr.ku.edu/policies. Discovered violations are reported to the CEAE Department and the Dean’s Office. Penalties for academic misconduct range from score reduction on an assignment or exam to dismissal from the School or KU. All work submitted for grading must be completed independently unless specifically assigned as a team-based. 3) All your courses’ content is copyrighted; don’t redistribute without advance written permission.
The Academic Achievement & Access Center (AAAC) coordinates accommodations and services for all KU students who are eligible. If you have a disability for which you wish to request accommodations and have not contacted the AAAC, please do so as soon as possible. Their office is at Room 22 Strong Hall, and their phone number is 785-864-4064 (V/TTY).

KU’s MySuccess Program:
This course may participate in KU’s MySuccess, an early-warning initiative at the University of Kansas intended to increase student retention. During the semester you may receive messages from MySuccess through your official KU email address. MySuccess operates through Blackboard (Bb) courseware. Your instructor may communicate about your course performance by triggering a flag to indicate a low test or assignment score. You may set up additional preferences and features by going to your profile tab.

MySuccess has additional features to help you be a successful student at KU. There is a Success Network that lists a directory of KU resources. For more information about MySuccess visit www.mysuccess.ku.edu and click on the Students tab.

Mentoring Available for First Year and Transfer Students:
Incoming first year and transfer students can be paired with upper-level student mentors who will help with the transition into the School of Engineering. The program offers several group activities for new students and their mentors throughout the year. In addition to these activities, new students and their mentors are encouraged to interact through email, text messages, phone calls, or face-to-face meetings bi-weekly. The deadline to request a mentor is soon! For more information and to sign-up, visit engr.ku.edu/undergraduate-mentoring. Space is limited.

Tutoring Is Available Too:
Tutoring is available for your MATH, CHEM, PHSX, and many engineering courses. For more information, visit:

www.math.ku.edu/academics/kap/help-room/tutoring.html
chem.ku.edu/academics/current_semester
physics.ku.edu/physics
engr.ku.edu/undergraduate-tutoring

Tutoring may be available for other departments’ courses as well; visit their websites or contact their offices for availability.

Last revised: August 17, 2015
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COURSE OBJECTIVES

Methods of teaching: lectures, guests, demos, videos, homework, quizzes, etc.

→ To start learning the history and philosophy of the arts and sciences that form modern architectural engineering

→ To introduce students to the building design and construction processes, some materials, building codes, and design documents

→ To increase students’ awareness of ethics and many other professional practice issues, e.g., sustainability, technical writing, and engineering registration

August 17, 2015