



AMS 305 BUILDING CODES

Summer 2018
June 04, 2018 – July 06, 2018

INSTRUCTOR INFORMATION

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COURSE INFORMATION

Credit Hours: 3

Catalogue Description: Introduction to format and content of current building codes, including interpretation and code research for application to residential and commercial projects, with emphasis on building design.

Prerequisite: AMS 261 AND AMS 163

Required Texts:

Ching, Francis D.K. (2007). *Building Codes ILLUSTRATED, Fifth Edition*. John Wiley and Sons, Inc. New York, New York.

Required/ Preferred Software:

AutoCAD. Should have capability to print to pdf. **If you do not have ACAD you should be able to hand draw/ sketch to scale (with measurements)**

Online Resources:

Link to 2012 IBC <https://codes.iccsafe.org/public/document/IBC2012>

Link to 2015 IBC <https://codes.iccsafe.org/public/document/toc/542/>

Link to ADA guidelines <http://www.ada.gov/regs2010/2010ADASTandards/2010ADASTandards.pdf>

Technology Requirements:

Please refer to the following link for hardware and internet connection requirements,
<http://www.wku.edu/online/orientation/tech-req.php>

Course Objectives & Overview:

Upon completion of this course, the student shall be able to:	How the student will develop the learning outcomes	How the student will be assessed on these learning outcomes
<i>Interpret the provisions in the building code that applies to specific construction projects in order to perform a code analysis</i>	<i>Power points and audio recordings</i>	<i>In class and take home assignments. Quizzes on a regular basis</i>
<i>Describe how building codes affect the design and construction of buildings</i>	<i>Power points and audio recordings</i>	<i>In class and take home assignments. Mid-term and final exam</i>
<i>Review construction drawings for code compliance</i>	<i>reviewing examples of existing construction drawings</i>	<i>In class and take home assignments.</i>

Course Topics:

- building use and occupancy classifications
- building height and area limitations
- types of construction
- fire protection systems
- means of egress and accessibility standards
- construction components and assemblies
- special construction types
- pre-selection design using charts and tables to identify building loads and corresponding structural member requirements

E-Mail:

Subject line must contain the course number – one or two word issue.

Example: AMS305 – Occupancy clarification

Lettering: All written information placed on sketches, drawings, quizzes, exams, etc. must be architectural lettering. No lower case letters.

File Naming: All files submitted electronically for grading should have the following file naming format:

Worth 10 points on all submitted work:

305LastFirst-XX.ext

305 is the course number

LastFirst is your last name followed by your first name

XX is the assignment or chapter

.ext = indicates the file extension for the format: ***.doc, .pdf***, etc..

Examples: ***305DoeJohn-Ch01.doc OR 305DoeJane-AsgnCh01.pdf***

COURSE POLICIES

Grading:

Quizzes: 30%

Assignments: 50%

Final Exam: 20%

A minimum passing grade (60%) in the final exam is a requirement of the course.

Grading Criteria:

Outstanding, A – 90-100%

Projects demonstrate superior work performance and mastery of the subject content. The work/performance goes beyond commendable and demonstrates exceptional thinking and/or performance. The work exceeds expected requirements with substantial depth and efficiency. The work is highly organized, formatted correctly, and communicates effectively.

Commendable, B – 89-80%

Projects demonstrate a clear understanding of the subject content with no flaws. The work accomplishes the purpose of the task and identifies the most important ideas. The work is over and beyond the minimum requirements with depth. The work is organized, formatted correctly, and communicates effectively.

Competent, C – 79-70%

Projects substantially complete the intended purpose. All minimum standards met and all requirements fulfilled. Work displays understanding of major concepts, with few flaws and adequate depth. The work is well organized, formatted, and communicates successfully. All the main points of content are covered and all required elements included. The work is acceptable, but nothing special.

Deficient, D – 69-60%

Work shows an incomplete understanding of the task/project. The purpose of the research was not accomplished. One or more important elements are omitted. The work/performance is ineffectual or inappropriate. The work is vague, incomplete, and incorrectly formatted. The presentation is so flawed that it obscures the meaning.

Unacceptable, F – 59-0%

Project completed, but misses major points. Work is significantly incomplete and/or deficient. Significant parts omitted or plagiarized. Work shows no understanding of the project. Important purpose of the task not achieved. Work did not meet the minimum requirements. Work suggests incompetence.

Grade book:

I reserve the right to make Grade book corrections to keep it consistent with the syllabus so that your grade reflects true performance, not software or user error. If you see something that doesn't make sense, please alert me! Thanks much for your help.

Due Date & Times: All work is due on the date specified on class schedule. **No late work will be accepted.** Blackboard assignments and quizzes will be removed on the due date and time specified.

Assignments: Designed to get you thinking about the subject matter discussed in the lecture. An assignment could consist of sketching, photographing, journaling, homework, article review, material research, material presentation, paper, etc. **Projects/ assignments have to be uploaded on blackboard in the required format.**

Quizzes: Quizzes are posted on Blackboard. Read the chapter, review the lecture, and complete the assignment prior to taking the quiz.

Academic Honesty:

All Western Kentucky University policies are in effect. All your work must be your own, unless I authorize collaboration, in which case you must, in writing, acknowledge the help you have received. Presenting the words, ideas, or expressions of another person in any form and claiming them as one's own is plagiarism and will not be tolerated. The claim of ignorance is no excuse. (See academic offenses in the WKU student handbook.)

Student Disability Services:

In compliance with university policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact The Student Accessibility Resource Center in Downing Student Union, 1074. The phone number is (270) 745-5004. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

Title IX Misconduct/Assault Statement:

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and

Discrimination and Harassment Policy (#0.2040) at https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and **MUST** report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.