

AE 401

Fall 2010

STRUCTURAL DESIGN OF BUILDINGS (3) Application of principals of engineering mechanics to, layout, analysis, and detailing of structural elements in wood and steel of simple buildings.

Time: MWF 9:05-9:55
Location: 103 Leonhard Building

Instructor: Walter G. M. Schneider III, Ph.D., P.E.
Office: 2643 Gateway Drive, Suite 2, State College
Phone: (814)231-3056 ext 201
Email: wgs101@psu.edu
Mailbox: 104 Engineering Unit "A"

Office Hours:

Location: To be announced – Leonhard Building
Time: MWF 9:55 – 10:55

Prerequisites: AE 221, AE 222, AE 308

Text: *Manual of Steel Construction 13th ed.*, published by the American Institute of Steel Construction (AISC), Inc.

Unified Design of Steel Structures, By Louis F. Geschwindner, published by John Wiley & Sons, Inc. Hoboken, NJ

Reference: *Minimum Design Loads for Buildings and Other Structures* SEI/ASCE 7-05. Structural Engineering Institute Published by American Society of Civil Engineers. Reston, VA.

International Building Code 2006 ed. International Code Council. Published by International Code Council. Washington, DC.

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| Grading: | Mid-Term Exams (2@ 25%) | 50% |
| | Final Exam | 25% |
| | Quizzes | 10% |
| | Homework | <u>15%</u> |
| | Total | 100% |

Exams: All exams are open book, & bound notes.

No make-up exams.

All homework must be turned in prior to taking the exam.

No cheating will be tolerated any instance or perceived instance of cheating will be turned over to the academic integrity committee. There are no exceptions.

Exam Dates: 1st exam: September 28, 2010 8:15 pm – 10:15 pm, room to be announced
2nd exam: November 2, 2010 8:15 pm – 10:15 pm, room to be announced
Final exam: Normal final exam period

Homework: The lowest single homework grade will be dropped.

All homework is to be done on engineering paper, one problem per page, and one side of the page only.

Home is to be neat, orderly, and professional looking. Any homework that does not meet this criterion will not be graded. Determination of this will be at the discretion of the instructor.

No late homework.

Homework is due at the beginning of the class period.