

CE456 – Fall 2015

Steel Design

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Office Hours: W: 8am-noon, 2pm-3pm; Th: 8am-noon; or appointment

Class Website: <http://www-classes.usc.edu/engr/ce/456>

COURSE OUTLINE

WEEK	TOPICS	
8/26	Chapters 1, 2	Steel Design Concepts
9/2	Chapter 3	Design of Tension Members
9/9*	Chapter 3	Design of Roof Trusses
9/16	Chapter 4	Design of Compressed Members
9/23*	Chapter 4	Buckling of Compressed Members
9/30	Chapter 5	Bending Strength of Beams
10/7**	Chapter 5	Biaxial Bending of Beams
10/14	Chapter 6	Design of Beam-Columns
10/21*	Chapter 6	Braced versus Unbraced Frames
10/28	Chapter 7	Simple Connections
11/4**	Chapter 8	Eccentric Connections
11/11	Chapter 9	Composite Construction
11/18*	Chapter 10	Flexural and Shear Strength of Plate Girders
12/2	Chapter 10	Design of Plate Girders
12/14**	Final Examination	2pm-4pm

* \implies Quiz on that day (9/9, 9/23, 10/21, 11/18).

** \implies Examination on that day (10/7, 11/4, 12/14).

Grading Policy:

2 equally weighted examinations (15% each)	40%
Final examination (15% each)	20%
4 quizzes (drop lowest score)	30%
Homework and Design Projects	10%

Reference Textbook:

- Steel Design, Fifth Edition, by William T. Segui, Cengage Learning, ISBN 13: 978-1-111-57600-4.