CE 2017
ENGINEERING MECHANICS: STATICS and MECHANICS of MATERIALS

HOMEWORK ASSIGNMENTS for EXAM #5

Text: STATICS and MECHANICS of MATERIALS, by R.C. Hibbeler, 5th Edition

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CHAPTER TWELVE PROBLEMS: TRANSVERSE SHEAR

Lecture	Section	Topic	Lecture Dates	Assigned Problems (from Text)	Homework Due Date
43	Section 12.1-2	Shear in Straight Members/Shear Formula	17/20 Apr	5, 11	27 Apr
44	Section 12.3	Shear Flow in Built-Up Members	21 Apr	34, 39	27 Apr

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CHAPTER THIRTEEN PROBLEMS: COMBINED LOADINGS

Lecture	Section	Topic	Lecture Dates	Assigned Problems (from Text)	Homework Due Date
45	Section 13.1	Thin-Walled Pressure Vessels	22 Apr	5, 6	27 Apr
46	Section 13.2	Combined Loadings	23 Apr	39, 41	27 Apr
47	Combined Loadings		24 Apr	45	Final Exam

CHAPTER FOURTEEN PROBLEMS: STRESS & STRAIN TRANSFORMATIONS

Lecture	Section	Topic	Lecture Dates	Assigned Problems (from Text))	Homework Due Date
48	Section 14.1/2	Equations of Plane-Stress Transformation	27 Apr	5, 10	Final Exam
49	Section 14.3	Principal Stresses	28 Apr		Final Exam
50	Section 14.3	Max In-Plane Shear Stress	29 Apr	15, 17, 29	Final Exam
51	Section 14.4	Mohr's Circle for Plane Stress	30 Apr	47, 54	Final Exam
52	Review		1 May		

Final Exam   **Wednesday, May 6, 10:00 – 11:55 a.m.**