CE 2017 ENGINEERING MECHANICS: STATICS and MECHANICS of MATERIALS

HOMEWORK ASSIGNMENTS for EXAM #1

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

	CHAPTER TWO	PROBLEMS: FORCE VECTORS			11.
Lecture	Section	Торіс	Lecture Dates	Homework Problems (from Text)	Homework Due Date
1	Section 2.1/3	Vector Addition of Coplanar Forces (Parallelogram Method)	15 Jan	9, 10	21 Jan
2	Section 2.4	Vector Addition of Coplanar Forces (Component Method)	16 Jan	33, 34, 35	21 Jan
3	Section 2.5/6	Cartesian Vectors in Three Dimensions	17 Jan	38, 42, 43	21 Jan
4	Section 2.7/8	Position Vectors/Force Vectors Along a Line	21 Jan	62, 65	27 Jan
5	Section 2.9	Dot Product	22 Jan	81, 82	27 Jan
	CHAPTER THREE	PROBLEMS: FORCE SYSTEM RESULTANTS	Lecture	Assigned Problems	Homework
Lecture	Section	Торіс	Dates	(from Text)	Due Date
6	Section 3.1	Moment of a Force – Scalar Formation	23 Jan	11	27 Jan
7	Section 3.2	Cross Product	24 Jan		27 Jan
8	Section 3.3	Moment of a Force: Vector Formulation	27 Jan	27, 34	6 Feb
9	Section 3.4	Principle of Moments	28 Jan	6, 7, 9, 10, 38	6 Feb
10	Section 3.5	Moments about an Axis	29 Jan	45, 49	6 Feb
11	Section 3.6	Moment of a Couple	30 Jan	66	6 Feb
12	Section 3.7	Simplification of a Force and Couple System	31 Jan	73, 74	6 Feb
13	Section 3.8	Further Simplification of a Force and Couple System	3 Feb	98, 102	6 Feb
		Review for Exam #1	4 Feb		
		Exam #1	5/6 Feb		