SHARIF UNIVERSITY OF TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING

FALL 2014

STATICS

INSTRUCTOR:	Vahab Toufigh, Ph.D. 2 nd Floor Earthquake Engineering Research Center
PHONE:	(21) 6601 4275
EMAIL:	toufigh@sharif.edu
OFFICE HOURS:	Sat, Mon: 3:00-4:00, or by appointment
PREREQUISTE:	Concurrently enrolled in 22015
REFERENCES:	1- Beer, F.P., and Johnston, E.R., Vector Mechanics for Engineers Statics and Dynamics, McGraw-Hill, 1972.
	2- Meriam, J.L., and Kraige, L.G., Engineering Mechanics Statics, Wiley, 2012.
HOMEWORK:	Accepted on A4 sheets using only one side. Homework must be presented in a neat, professional manner and it must be turned in at the beginning of the class period. Late homework is not acceptable without a valid cause.
EXAMS:	There will be two midterm exams and a comprehensive final exam. Exams dates TBA.
GRADING:	Exam I 25% Exam II 25% Final Exam 30% Homework 15% Participation 5%
COURSE OUTLINE:	 Concentrated Forces in 2D & 3D Particle Equilibrium in 2D & 3D Moment of a Force Equivalent Systems of Force Rigid Body Equilibrium in 2D & 3D Truss Analysis: Method of Joints & Method of Section Frames and Machines: Simple & Complex Systems Internal Forces: Shear and Moment Diagrams

8- Centroids and Moment of Inertia