

# GRANDE PRAIRIE REGIONAL COLLEGE

## DEPARTMENT OF SCIENCE

### EG 1300 ENGINEERING MECHANICS 4.0(3 0 2) UT (4)

Lectures:	TR	10:00 - 11:20 a.m.	J228
Laboratory:	M	1:00 - 2:50 p.m.	J228
	M	3:00 - 4:50 p.m.	J228

**INSTRUCTOR:** Dr. Robert Hunt, P. Eng., FEC

**OFFICE:** C414

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**TEXT:** Hibbeler, R. C. - Engineering Mechanics: Statics and Dynamics.  
12th Edition. Prentice Hall

#### COURSE CONTENT:

Equilibrium of planar systems, analysis of statically determinate trusses and frames, friction, shear forces and bending moments in beams, centroids, centres of gravity, moments of inertia.

**COREQUISITE:** MA 1000

#### MARK DISTRIBUTION:

Assignments:	10%
Laboratories:	5%
Mid-Term Test	35%
Final Examination	50%

#### EXAMINATION:

Midterm examination : 7 to 8:30 p.m. on Wednesday, October 20/10  
Material covered: To end of week 6.  
Final common examination: TBA by the Registrar's Office.

#### LECTURE SCHEDULE:

Notes: The work is presented in the order covered in the text. All of Chapters 2, 5, 6, 7, 8 and 10 are not covered in this course.