

# GRANDE PRAIRIE REGIONAL COLLEGE

## DEPARTMENT OF SCIENCE

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

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

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

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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:	<b>10%</b>
Laboratories:	<b>5%</b>
Mid-Term Test	<b>35%</b>
Final Examination	<b>50%</b>

#### **EXAMINATION:**

Midterm examination : **2 to 3:30 p.m. on Monday, October 24/11**  
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.