



DEPARTMENT OF SCIENCE

COURSE OUTLINE – FALL 2013

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

INSTRUCTOR: Dr. Robert (Bert) **PHONE:** 780-539-2008
Hunt P. Eng. FEC, FGC

OFFICE: C 414 **E-MAIL:** bhunt@gprc.ab.ca

OFFICE HOURS: MTWR noon- 2 pm

COREQUISITE: MA 1000

REQUIRED TEXT/RESOURCE MATERIALS: Hibbeler, R. C. - Engineering Mechanics:
Statics and Dynamics. 13th Edition. PrenticeHall/Pearson.

CALENDAR DESCRIPTION:

Equilibrium of planar systems. Analysis of statically determinate trusses and frames. Friction. Shear forces and bending moments in beams. Centroids and centers of gravity. Moments of inertia.

CREDIT/CONTACT HOURS: 3 hours lecture and 2 hours lab per week

DELIVERY MODE(S): 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. A detailed **Course Outline** is attached with the **Assignment Questions** for each **Chapter/Topic**.

TRANSFERABILITY: This is a University of Alberta Engineering Course. A Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions.

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

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

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

Note: All Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Lecture	T R	10:00 - 11:20 a.m.	J228
Laboratory	M	1:00 - 2:50 p.m.	J228
	M	3:00 - 4:50 p.m.	J228

EXAMINATIONS:

Midterm examination 2 to 3:30 p.m. on Monday, October 21/13
Material covered To end of week 6.

Final common examination: TBA by the Registrar's Office.

NOTES:

All assignments must be neat and hand written on Engineering Paper; use pencil; staple all pages and use the assignment solution format provided. (Template attached.)

All work submitted, including assignments, must be your own. See "Code of Student Behaviour" in the University Calendar.