



**DEPARTMENT OF POWER ENGINEERING**

**COURSE OUTLINE – WINTER 2012**

**POF 331 Math, Applied Mechanics, and Thermodynamics 4.0 (64)**

**INSTRUCTOR:** Augustine Ebinu                      **PHONE:** 780-835-6692  
**OFFICE:** PS 130                                      **E-MAIL:** AEbinu@GPRC.ab.ca  
**OFFICE HOURS:** 8:00am – 4:30pm

**PREREQUISITE(S)/COREQUISITE:**

A High School Diploma including:

- English 30-1 or English 30-2
- Math 30-1 or 30-2 or 30 Pure or Applied
- Science 30 or Chemistry 20 or Physics 20
- Career Investigation Report

**REQUIRED TEXT/RESOURCE MATERIALS**

**CALENDAR DESCRIPTION:**

**Advanced concepts in math, applied Mechanics and Thermodynamics for Third class Power Engineering**

This course, with POF 333, and 338 will allow the students to write Part A of the Third class.

**CREDIT/CONTACT HOURS:**

**Credits 4.0**

**Contact Hours 64**

**DELIVERY MODE(S):** Lectures and Labs

**OBJECTIVES (Optional):**

**TRANSFERABILITY:**

\*\* Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

**GRADING CRITERIA:**

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

\*Students must complete all courses with no failing grades and attend a minimum of 80% of all classes and labs to successfully complete the program.

**EVALUATIONS:** As per Power Engineering Student Manual

Method	Percentage	Minimum
Course assignments	15%	50%
CML quizzes	15%	50%
Unit Exams	30%	50%
Final Exam	40%	50%
	100%	50%
		65% average, with no mark below 50%

**STUDENT RESPONSIBILITIES:** As per Power Engineering Student Manual

**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/](http://www.gprc.ab.ca/about/administration/policies/). These are serious issues and will be dealt with severely.

**\*COURSE SCHEDULE/TENTATIVE TIMELINE:**

**Created by**

Augustine Ebinu	24 Aug 2011	
Instructor name	Date:	Signature:

**Approved by:**

Dave Long		
Chair name	Date:	Signature: