



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2012

POF 417 INTRODUCTION TO POWER ENGINEERING – ADMINISTRATION, CODES – 1.0(20/0/0)

INSTRUCTOR: Brent Boutillier
OFFICE: FM5-110
OFFICE HOURS: As posted

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PREREQUISITE(S)/COREQUISITE:

A high school diploma including at least:

- 65% in English 20-1 or 20 -2, AND
- 65% in Math 20-1 or 20-2, AND
- 65% in any Science (Physics, Chemistry, Biology or Science) in the 20 stream, AND
- A Career Investigation (specified format)

OR

- Mature students not meeting the above requirements may request a review of their education and prior work skills by the Power Engineering Team at GPRC.

REQUIRED TEXT/RESOURCE MATERIALS:

- PE4A Book 1, units 1 and 4
- PE4A Workbook, Book 1
- PE3 Section 4 Chapter 15
- PE4A Book 1, unit 5
- PE4A Workbook, Book 1
- ASME Code Extract
- CSA B51 and CSAB52
- Alberta Safety Code Act and Regulations

CALENDAR DESCRIPTION:

This course is an introduction to power engineering, power engineers, and the basic duties and conditions they must work under. Included are writing and preparing memos using clear, correct and concise language; and an introduction to codes, regulations and standards that govern boilers, pressure vessels, and power engineers.

CREDIT/CONTACT HOURS:

1.0 CREDITS

20 HOURS

DELIVERY MODE(S):

Theory

OBJECTIVES (OPTIONAL):

Students will gain an understanding of who a Power Engineer is and basic duties and conditions he/she must work under. Writing and preparing memos using clear correct and concise language. Introduction to Codes, Regulations and Standards that govern boilers, pressure vessels, and Power Engineers.

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⁺	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: 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:

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:

Aug. 29 - Nov. 11, 2011

Tuesday and Thursday 10:30 to 11:20

Created by:		
Brent Boutilier	24 Aug 2011	
Instructor name	Date:	Signature:
Approved by:		
Dave Long		
Chair name	Date:	Signature: