



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2012

POF 418 POWER LAB – 2.5 (0-0-37) 37

INSTRUCTOR:	Brent Boutilier Houshang Ghazi
OFFICE:	FM5 110 PS 130
OFFICE HOURS:	Brent—As Posted Houshang- As posted

PHONE:	780.835.6794 780-835-6609
E-MAIL:	bboutilier@gprc.ab.ca hghazi@gprc.ab.ca

PREREQUISITE(S)/COREQUISITE:

A High School Diploma

- English 20 -1 or 65% minimum in English 20-2
- Math 20-1 (Pure) or 65% minimum in Math 20-2 (Applied)
- Any 20 level Science with 65% minimum
- Career Investigation Report as per specified format

Applicants not meeting the above requirements may request a review of their education and prior work skills by contacting the Registrar's office.

REQUIRED TEXT/RESOURCE MATERIALS:

- Clipboard
- CSA class 3 steel toe boots
- Flame resistant coveralls
- Gloves
- Safety glasses

CALENDAR DESCRIPTION:

This is an introduction to power plant and heating plant layout and equipment. Students learn to start up and shut down boilers, operate pumps, test and maintain boiler water quality, and open/dismantle, and inspect plant equipment. Plant tours will also be included in this course.

CREDIT/CONTACT HOURS:

2.5 Credits

37 Hours

DELIVERY MODE(S):

Lab, field trips

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:

Method	Percentage	Minimum
Lab Boiler Operation	50%	50%
Attendance and tours	20%	50%
General proficiency	10%	50%
Assignments	10%	50%
Safety	10%	50%
	100%	65% average, with no mark below 50%

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

EXAMINATIONS: As per Power Engineering Student Manual

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/**

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

Created by

Brent Boutilier	24 Aug 2011	
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Instructor name	Date:	Signature:
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Approved by:

Dave Long		
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Chair name	Date:	Signature:
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