



**DEPARTMENT OF POWER ENGINEER
COURSE OUTLINE – SPRING 2015
POF 437 POWER LAB – 0.5 (2/0/0)10**

INSTRUCTOR: Barry Greaves **PHONE:** 780-835-6609
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 Prairie

OFFICE HOURS: As Posted

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 PPE/RESOURCE MATERIALS:

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

CALENDAR DESCRIPTION:

This Lab will introduce the students to heating equipment maintenance of heating equipment, operation and maintenance of refrigeration and air-conditioning equipment and maintenance of power house equipment, boilers, pumps and general/specialized tool usage.

CREDIT/CONTACT HOURS:

Credits 0.5

Contact Hours 10(0/0/2) 5 weeks

DELIVERY MODE(S):

Lab

OBJECTIVES (OPTIONAL):**TRANSFERABILITY: As per ABSA requirements**

** 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

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

OR

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***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
F	0.0	0 – 66	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS:

Method	Percentage	Minimum
Course assignments	10%	67%
CML quizzes	10%	67%
Labs	10%	67%

Unit Exams	30%	67%
Final Exam	40%	67%
	100%	67%
		67% average, with no mark below 50%

STUDENT RESPONSIBILITIES: As per Power Engineering Student Manual
Students are responsible for attending a minimum of 80% of all classes and handing in resume's and being in class to actively participate in mock interview skills.

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:

April to May