



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2011

POF417 Introduction to Power Engineering / Administration, Codes – 1.0(20)

INSTRUCTOR: Brent Boutilier

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OFFICE: PS 102A

E-MAIL: bboutilier@gprc.ab.ca

OFFICE HOURS: As posted

PREREQUISITE(S)/COREQUISITE:

A high school diploma including:

English 30-1 or 30 -2

Math 30 Pure or Applied, (after 2012 Math 30-1 or 30-2)

Science 30 OR Chemistry 20 OR Physics 20

And a Career Investigation (specified format)

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 Regulation

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 (20)

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/. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Aug 29-Nov. 11, 2011

Tuesday and Thursday 1030 to 1120

Created by

Brent Boutilier

24 Aug 2011

Instructor name

Date:

Signature:

Approved by:

Dave Long

Chair name

Date:

Signature: