Outline of PN 1050 (4th class) Power Engineering I, Part A

"ABSA" Accredited Program

Basic Course Information (4 credit)

Instructor:

Houshang Ghazi, MEng, MSc., PE
Office: Room M104
Phone: 539-2704, Fax: 539-2791

Office Hours:

Mondays through Thursdays 16:00-17:00 for the excess questions of students

Pre-requisite:

You need 50% in English 30-1 or 30-2 or the equivalent, and 50% in Math-20 or Applied or Pure Math-20, or Math-23, and Science-20 or Physics-20 or their equivalents.

The course (4 credit) starts on Sep. 3, 2009 and finishes in last week of October 2009 (120 hours).

Text: Power Engineering, Fourth Class, Latest Edition, Published by PanGlobal Training Systems Ltd.

Grading Scheme:

Assignments & Quizzes:	60%
Course Final:	40%
Pass mark:	65%

COURSE DESCRIPTION:

This is a study of environmental controls, materials welding, piping and fittings, high pressure boiler design, draft equipment, combustion and high pressure fittings, high pressure boiler operation, and feed water treatment.

COURSE OBJECTIVES:

Understanding of the terms, equipment, and topics listed at the course description above.

Grades:

For the college grading system details refer to:
http://www.gprc.ab.ca/pdf/policies/academic/GradingPolicy-2003.pdf

Instructional Approach:

A data projector will be used for the teaching of the text material. There will be some boiler related fittings available for hands on activities. Field trips to sites in the area will occur throughout the course.

Quizzes / Assignments:

There will be some designated assignments and three quizzes for the course.

Final Exam:

There is a final exam for PN1050 in the last week of October.

Tips for Succeeding in this Course

Read the textbook before the material covered in the class.

Attend all classes with full attention

Instructor Expectation:

1- Guidelines governing student conduct rules at the college are listed in the college calendar 2009-2010 pages 48 to 51. Please become familiar with these expectations.

2- GPRC is an adult educational institution with expectations for behavior established as noted above. A log will be kept for any student who fails to meet these expectations. Continued entries in this log of inappropriate behaviors can result in removal from class.

3- I welcome any feedback from the students in order to improve my teaching pattern in the class or to be more helpful with the progress of the students.

Attendance:

1- Power Engineering programs are regulated by ABSA, as a result attendance is mandatory. As such an attendance is taken in every class and a record is maintained. Missing more than 20% of the course results to disqualification from that course.

2- Any other issues that may affect the performance of a student academically, needs to be addressed to myself or the director of Workforce department (Kathleen Frei) in order to be provided advice or assistance.

Record Retention:

Class records related to this course will be maintained for six months after the last day of classes. These records will then be destroyed in a secure manner.

Possible Workplace Expectations:

Be aware that most industries demand that their work place is a non smoking environment, and test their employers for drugs. They also expect their power engineers to be physically able to perform their given tasks, be punctual and display regular attendance.

PanGlobal on line service

Part of the GPRC Power Engineering program requires the use of an on-line package of lessons, practices, and assignments that are supplemental to the 4th Class Power Engineering Textbooks published by PanGlobal. Due to licensing requirements of PanGlobal Publishing, this supplement is available only to those students who purchase a new 4th class power engineering text book from GPRC bookstore. The bookstore will record the name of the purchaser at the time of purchase and this record will be used to obtain appropriate on-line license.