Outline of PN 1055 (4th class) Power Engineering I, Part B

"ABSA" Accredited Program

Basic Course Information

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 the students

Pre-requisite:

To meet the requirements for PN 1050 and the completion of PN 1050.

The class starts after completion of PN1050 and practicum PN1900 in last week of January 2009 and finishes in third week of March 2009 (120 hours) plus two reviews (PN1205, 35 hours, and PN1210, 35 hours)

Text: Power Engineering, Fourth Class, Second Edition, January 2006, Published by PanGlobal Training Systems Ltd.

Grading Scheme:

Assignments & Quizzes:	50%
Course Final:	50%
Pass Mark:	65%

COURSE DESCRIPTION:

This is the study of prime movers and engines, pumps, compressors, lubrication, electricity, controls and instrumentation, heating boilers, steam and water heating systems, auxiliary building systems, refrigeration, air conditioning, boiler maintenance, and type of plants.

COURSE OBJECTIVES:

Understanding of the terms and equipment 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.

Quizzes / Assignments:

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

Midterm & Final Exam:

There is a final exam for PN1055 in end of March 2009.

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 2008-2009 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 task, avoid absentees, and show up for work on time.