DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2011

POF 422 - Refrigeration

INSTRUCTOR: Houshang Ghazi **PHONE:** 780-835-6609
OFFICE: PS 130 **E-MAIL:** HGhazi@GPRC.AB.CA

OFFICE HOURS: Click here to enter text.

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:

PE4B Text, Book B2, Unit 25, 26
PE3B, Book B2, Chapter 10, 11 (resource)

Trane Refrigeration
Refrigeration, Althouse

CALENDAR DESCRIPTION:

This is a basic course in refrigeration and air conditioning, designed to present topics such as the thermodynamics of refrigeration, refrigeration

codes, properties of refrigerants, compression refrigeration systems and components, refrigeration controls and accessories, compression refrigeration operation and maintenance procedures, absorption refrigeration, air conditioning equipment and systems, and psychometrics.

CREDIT/CONTACT HOURS: 28 Hours

DELIVERY MODE(S): Fairview Campus only

OBJECTIVES:

To ensure students become knowledgeable and develop competency in refrigeration and air conditioning.

TRANSFERABILITY:

GRADING CRITERIA:

Method	Percentage	Minimum
Course assignments/workbooks	15%	50%
CML quizzes	15%	50%
Unit Exams	30%	50%
Final Exam	40%	50%
	100%	50%
		65% average, with no mark below 50%

EXAMINATIONS: As per Power Engineering Student Manual

STUDENT RESPONSIBILITIES: As per Power Engineering Student Manual

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Nov. 15- Dec 17., 2010

Monday – Thursday – 10:30-11:20 & 12:30-14:20

Fridays 09:30-11:20