



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2011

POF 413 - Boilers

INSTRUCTOR: Houshang Ghazi **PHONE:** 780.835.6609
OFFICE: PS 130 **E-MAIL:** HGHAZI@GPRC.AB.CA

OFFICE
HOURS: 0800-1000

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:

Material Required PE4A Book 2 Units 12-15 PE4A Workbook #2, units 12-15 ASME Code Extract (current version) CSA B51 Boiler Code PE3 section 3 chapters 1-11
Material Suggested High Pressure Boilers, ATP Chapter 1-8, 10-11 Stationary Engineering, ATP Boiler Operation Workbook

CALENDAR DESCRIPTION:

Introduction to boiler types, parts and construction; boiler firing equipment and auxiliaries; boiler accessories, superheaters, economizers and air heaters; boiler operation, inspection, maintenance and water treatment;.

CREDIT/CONTACT HOURS: 50 Hours

DELIVERY MODE(S): Fairview Campus only

OBJECTIVES:

To ensure students are provided an introduction to boiler types, parts and construction; boiler firing equipment and auxiliaries; boiler accessories, superheaters, economizers and air heaters; boiler operation, inspection, maintenance and water treatment;.

TRANSFERABILITY:

GRADING CRITERIA:

Method	Percentage	Minimum
Course assignments	15%	65%
Chapter quizzes	15%	65%
Unit Exams (4 units)	30%	65%
Final Exam	40%	65%
	100%	65%
		65% average, with no mark below 50%

EXAMINATIONS:

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:

Aug 30-Nov. 12, 2010

Monday – Thursday – 14:30-16:20

Friday – 08:30-10:20