



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2011

POF 416 – Piping/Welding/Sketching

INSTRUCTOR: Houshang Ghazi

PHONE: 780-835-6609

OFFICE: PS 130

E-MAIL: HGhazi@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:

Material Required:
PE4A Book A1, Unit 4
PE4A Book A2 Unit 10,11
PE3 Book A2 Chapters 4,5,6

CALENDAR DESCRIPTION:

This course covers materials and sizing of commercial piping; methods of connecting piping; support, expansion and drainage of piping; valve construction and uses; basic welding: fusion and arc; basic sketching techniques to be able to convey drawings in a clear, simple manner.

CREDIT/CONTACT HOURS: 51 Hours

DELIVERY MODE(S): Fairview Campus Only

OBJECTIVES:

Students will develop an understanding of Materials and sizing of commercial piping. Methods of connecting piping. Support, expansion and drainage of piping. Valve construction and uses. Basic welding: fusion and arc. Basic sketching techniques to be able to convey drawings in a clear,

TRANSFERABILITY: As per ABSA requirements

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%

GRADING CRITERIA:

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:

Aug 30-Nov. 12, 2010

Monday – Tuesday – 08:30-10:20

Wednesday – Thursday – 10:30-11:20

Friday – 09:30-11:20