



DEPARTMENT OF POWER ENGINEERING

COURSE OUTLINE – FALL 2012

POF 416 PIPING/WELDING/SKETCHING – 3.0 (23/0/28) 51

INSTRUCTOR: Houshang Ghazi
OFFICE: PS 130
OFFICE HOURS: As Posted

PHONE: 780-835-6609
E-MAIL: HGhazi@GPRC.AB.CA

PREREQUISITE(S)/COREQUISITE:

A High School Diploma

- English 20 -1 or 65% minimum in English 20-2
- Math 20-1 (Pure) or 65% minimum in Math 20-2 (Applied)
- Any 20 level Science with 65% minimum
- Career Investigation Report as per specified format

Applicants not meeting the above requirements may request a review of their education and prior work skills by contacting the Registrar's office.

REQUIRED TEXT/RESOURCE MATERIALS:

- PE4A Book A1, Unit 4
- PE4A Book A2 Unit 10 and 11
- PE3 Book A2 Chapters 4, 5, and 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:

3.0 Credits

55 (23/0/28) 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

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

GRADING CRITERIA:

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%

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EXAMINATIONS: As per Power Engineering Student Manual

STUDENT RESPONSIBILITIES: As per Power Engineering Student Manual

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Aug 30-Nov. 12, 2012

Wednesday – Thursday – 10:30-11:20

Monday – Tuesday – 08:30-10:20

Friday – 09:30-11:20