

COURSE OUTLINE ELEC 200 – Engineering Graphics Fall 2013

Instructor:

Ms.	Li Zhou
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Office Hours:

Days:	Fridays
Time:	14:00-16:00
Location:	EOW 419

Lectu

ures:		Labs:	Location: ELW 307
Section:	A01/CRN 11174		
	A02/CRN 11175	B01: Monday	18:00 - 21:00
Days:	Tue, Wed & Fri	B02: Monday	18:00 - 21:00
Time:	11:30 - 12:20	B03: Tuesday	/ 17:30 - 20:30
Location:	ECS 125	B04: Tuesday	/ 17:30 - 20:30
		B05: Thursda	y 16:00 - 19:00
		B06: Thursda	y 16:00 - 19:00

Textbook:

Title:	Fundamentals of Graphics Communication
Authors:	Gary R. Bertoline and et al.
Publisher:	McGraw-Hill
Year:	6th Edition, 2010

References:

Title:	Engineering Drawing and Design
Author:	C. Jensen; J. Helsel; D. Short
Publisher:	McGraw-Hill
Year:	7th Edition, 2008
Title:	Technical Drawing with Engineering Graphics
Author:	F. E. Giesecke and et al.
Publisher:	Prentice Hall
Year:	14th Edition, 2010

Assessment:

Assignments:	20%	
Labs*1	20 %	
Mid-term* ²	20%	Closed book
Final* ²	40%	Closed book

* Note:

- 1. Failure to complete all laboratory requirements will result in a grade of **N** being awarded for the course. One report per student is due one week after each session.
- 2. Must attend all labs and at least 80% of the lectures in order to qualify to write the midterm and final examinations (http://web.uvic.ca/calendar2013/FACS/UnIn/UARe/Atte.html).
- 3. Plagiarism detection software may be used to aid the instructor and/or TA's in the review and grading of some or all of the work you submit. (http://library.uvic.ca/instruction/cite/plagiarism.html).

One week after each assignment is handed out.

The final grade obtained from the above marking scheme will be based on the following percentage-to-grade point conversion:

Passing	Grade	Percentage for		
Grades	Point Value	Instructor Use Only		
A+	9	90 - 100		
А	8	85 - 89		
A-	7	80 - 84		
B+	6	77 – 79		
В	5	73 – 76		
B-	4	70 – 72		
C+	3	65 - 69		
С	2	60 - 64		
D	1	50 - 59		
Failing	Grade	Percentage for	Description	
Grades	Point Value	Instructor Use Only		
Е	0	35 - 49	Fail, conditional supplemental exam.	
			(For undergraduate courses only)	
F	0	0 – 49	Fail, no supplemental.	
Ν	0	0 – 49	Did not write examination, Lab or otherwise complete course	
			requirements by the end of term or session; no supplemental	
			exam.	

The rules for supplemental examinations are found on page 80 of the current 2013/14 Undergraduate Calendar.

Term in which E Grade Was Obtained	Application Deadline for Supplemental Exam	Supplemental Exam Date
First term of	February 28 in the	First week of following May
Winter Session (Sept – Dec)	following term	
Second term of	June 30 in the following	First week of following
Winter Session (Jan – Apr)	term	September
Summer Session	October 31 in the	First week of following
(May – Aug)	following term	January

Deferred exams will normally be written at the start of the student's next academic term; i.e., approximately 4 months following the deferral of the exam.

Course Description

1. Course Objectives

On completion of this course, you will be expected to:

- understand principles of engineering drawing
- know basic drafting skills
- understand the concepts of orthographic projections
- draw multiple view drawings
- draw auxiliary view drawing, including primary auxiliary view and secondary auxiliary view
- apply correct dimensions to drawings

- know the conventions of section views
- understand the theory of projections for isometric, oblique and perspective pictorial views
- know the conventions of electrical schematics, and draw complicated electrical schematics using CAD softwares
- know computer representation of physical shapes
- use algorithms for 2-D and 3-D transformations
- perform data visualization using software

2. Syllabus

See the course website: http://www.ece.uvic.ca/~elec200

Accommodation of Religious Observance

See http://web.uvic.ca/calendar2013/GI/GUPo.html

Policy on Inclusivity and Diversity

See <u>http://web.uvic.ca/calendar2013/GI/GUPo.html</u>

Standards of Professional Behaviour

You are advised to read the Faculty of Engineering document Standards for Professional Behaviour at <u>http://www.engr.uvic.ca/policy/professional-behaviour.php</u> which contains important information regarding conduct in courses, labs, and in the general use of facilities.

Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult

<u>http://web.uvic.ca/calendar2013/FACS/UnIn/UARe/PoAcI.html</u> for the UVic policy on academic integrity.