

EE1713 Electricity and Magnetism

Course Information – Winter 2003

(Last updated January 5, 2003 5:00 am)

Text Information

Course Text: “Boylestad’s Circuit Analysis,” Second Canadian Edition; by Robert L. Boylestad, Doug Edgar, John Jenness, Jack Tompkin; Prentice Hall

Recommendation: It’s a good idea to buy the text book. It is well written and has many worked out examples.

Alternate access to the text: There are 3 copies on reserve in the Engineering Library, on C level, Head Hall

Scheduling Information

Section	Instructor	Lectures	Tutorial
FR01B	Name: Dr. Adel Sharaf Office Room #: H101 Office Phone: 447-3134 e-mail: sharaf@unb.ca	M 10:30, T 8:30, W 10:30 H110	F 10:30 H110
FR02B	Name: Dr. Chris Diduch Office Room #: D40-C Office Phone: 447-3135 e-mail: diduch@unb.ca	M 10:30, T 11:30, W 10:30 GC122	F 10:30 GC122
FR03B	Name: Bill Briggs Office Room #: GC114 Office Phone: 458-7274 e-mail: web@unb.ca	M 10:30, W 10:30, Th 8:30 HC10	F 10:30 HC10

Note: If you are having a problem with the course material, *it’s your responsibility* to arrange to meet with your instructor for some supplementary help.

Lab Information:

Note: If you are repeating the course, you **MUST** repeat the labs. This is a long-standing department policy and there are no exceptions! Don’t even ask if you can skip the labs. The answer is “No.”

Labs	Requirements and Information
Labs will be held at the following times: Mon. 2:30 – 5:00, H200 Tue. 2:30 – 5:00, H200 Wed. 2:30 – 5:00, H200 Thu. 2:30 – 5:00, H200 Fri. 2:30 – 5:00, H200	<ol style="list-style-type: none"> All lab experiments must be performed (please see important note below). <p>Note: It is your responsibility to show up on the right day at the right time to do the labs. The lab schedule will be posted and it’s your responsibility to check it. Each student must complete and submit all 6 labs, otherwise a grade of “F” will be awarded.</p> <ol style="list-style-type: none"> Lab manuals will be made available in PDF format for downloading from the EE1713 web site. It is highly recommended that you print a copy. Manuals will not be sold as in the past. The starting date for labs will be announced in class and sent to you in an e-mail message. The lab schedule will be posted on the door of room H200, on the bulletin board outside of the Department of Electrical and Computer Engineering office (HD-41). Labs must be completed during the lab period. Labs are to be handed in before you leave. A lab group will consist of <i>no more than 3 people</i>. The group will submit one report for each experiment. The mark earned for that lab will be the mark received by each of the participants. Each group member is required to act as a scribe at least once. The lab writeup will make up 100% of the lab mark. Attendance is mandatory, so you will not receive marks just for being there. If you must miss a lab for any reason, let the instructor or lab coordinator know before the lab. If this is not possible, let them know at the first possible opportunity. Delay in notifying them may result in a mark of zero (0) for the lab, even after you have done a make-up lab. If you have missed a lab you must do a make-up lab before the end of the second week following the one in which you missed the lab. After that the opportunity to do the make-up lab will pass and you will be awarded an automatic “F” in the course. The only exceptions allowed will be in the case of serious medical problems.

Assignments & Tutorials

Requirements	Important Additional Information
<ol style="list-style-type: none"> Attendance at tutorials is mandatory ! At any tutorial you may be required to write a quiz. The quiz can cover any material covered in class up to the day of the quiz. If there is a quiz, the mark you get on the quiz will be used instead of the mark for the assignment. Assignments that are required to be handed in are to be placed in the designated box across the hall from the ECE office (HD-41) on D level before 4:00 p.m. (1600 hrs) on the day designated in the schedule included with this syllabus. Solutions to the assignments will be placed in the Engineering Library on the Tuesday of the week following the submission of the assignment. 	<p>Tutorials begin the first week.</p> <p>No advance notice will be given for quizzes. If you write a quiz during the tutorial period, you will not be required to hand in the assignment that week. You will not know in advance whether you have to write a quiz day or hand in the assignment, so come prepared to do both.</p> <p>If you are not able to hand in the assignment on time, be sure to see the instructor before the deadline. If you come to see the instructor after the deadline, only a signed medical excuse will be accepted. Failure to produce a signed medical excuse will result in a zero (0) for the assignment.</p> <p>Graded assignments will either be returned in class or placed in the designated bin across the hall from the ECE office (HD-41) on D level. The bin is above the slot where you submit your assignments.</p>

Midterm Tests

There will be two(2) midterms given during a regular lecture period. The class in which you will write the midterm is indicated on the schedule. Both midterm tests count toward your final mark.

- Midterm 1:** Covers chapters one (1) through seven (7) inclusive. It will be written on Feb. 14th.
- Midterm 2:** Covers chapters eight (8) through twelve (12) inclusive. It will be written on Mar. 28th.

Final Exam

The final exam will:

- be of three (3) hours duration
- will be scheduled by the registrar
- will cover the entire course (Chapters 1–14 of Boylestad, except sections specifically excluded by your instructor)

Information about Marks

Breakdown of Marks		Numerical to Letter Grade Conversion			
Item	Percent of mark	Number Grade	Letter Grade	Number Grade	Letter Grade
Midterm test 1	10	85–100	A+	50–54	C
Midterm test 2	10	80–84	A	40–49	D
Assignments & Quizzes	5	75–79	A-	less than 40%	F
Labs	5	70–74	B+		
Final Exam	70	65–69	B		
Total	100	60–64	B-		
		55–59	C+		

Add and Drop Dates

You may not add this course after: January 20th, 2003
 The last day to drop this course is: March 19th, 2003

E-mail Communication Between Instructor and Student

E-mail is considered an official form of correspondence. If you do not know how to access your UNB e-mail account you **must** find out how to do it. This is your responsibility. From time to time, important information will be sent to every student by electronic mail. It is advisable that you check your e-mail at least once a day. It will be assumed that you check it regularly.

Note that any e-mail correspondence you send to your instructor **must** come from your UNB e-mail account. Mail sent from any other accounts like hotmail, yahoo, etc., will not be considered.

Anonymous mail messages will not be considered. Any e-mail correspondence you send to your instructor must clearly identify you as the sender. It **must** include your name and student number.

Additional Course Resources

The URL for the EE1713 course page is: <http://www.ee.unb.ca/Courses/EE1713/CPD/>

The following information will be made available on the EE1713 course page: Labs and lab Appendixes, notes (from CPD's classes), Equation sheets for tests and exams

Date / Weekday			Topics in text / Event (topics are a guide and may vary)	Assignment Given to Students	EE 1713 Assignment Due
Jan.	6	M	Sec. 1.1 through 1.3	A1 1.14, 1.16, 2.4, 2.5, 2.11, 2.15, 2.18, 2.23, 2.34	
Jan.			Sec. 1.4 through 1.6		
Jan.			Sec. 2.1 through 2.5		
Jan.	10	F	Tutorial 1	A2 3.2, 3.8, 3.13, 3.15, 3.18, 3.27, 3.30, 3.34	A1
Jan.	13	M	Sec. 2.6 through 3.4		
Jan.			Sec. 3.5 through 3.11		
Jan.			Sec. 4.1 through 4.4		
Jan.	17	F	Tutorial 2	A3 4.10, 4.12, 4.20, 4.38, 4.41, 4.44, 4.64, 5.1, 5.4, 5.10, 5.14, 5.18, 5.26, 5.32	A2
Jan.	20	M	Sec. 4.5 through 4.6		
Jan.			Sec. 5.1 through 5.5		
Jan.			Sec. 5.6 through 5.8		
Jan.	24	F	Tutorial 3	A4 6.4, 6.6, 6.10, 6.18, 6.19, 6.24, 6.33, 7.4, 7.6, 7.10, 7.12	A3
Jan.	27	M	Sec. 5.9 through 6.3		
Jan.			Sec. 6.4 through 6.7		
Jan.			Sec. 6.8 through 7.2		
Jan.	31	F	Tutorial 4	A5 7.16, 7.28, 8.4, 8.6, 8.7, 8.12, 8.16, 8.22	A4
Feb.	3	M	Sec. 7.3 through 7.5		
Feb.			Sec. 7.6 through 8.3		
Feb.			Sec. 8.4 through 8.6		
Feb.	7	F	Tutorial 5	A6 8.24, 8.36, 8.40, 9.2, 9.6, 9.10	A5
Feb.	10	M	Sec. 8.7 through 8.8		
Feb.			Sec. 8.9 through 8.10		
Feb.			Sec. 9.1 through 9.3		
Feb.	14	F	Midterm 1	A7 9.9, 9.14, 9.17, 9.20, 9.24	A6
Feb.	17	M	Sec. 9.4 through 9.6		
Feb.			Sec. 10.1 through 10.3		
Feb.			Sec. 10.4 through 10.6		
Feb.	21	F	Tutorial 7	A8 10.7, 10.14, 10.19, 10.24, 10.30, 10.37, 10.40, 10.44, 10.51, 10.56	A7
Feb.	24	M	Sec. 10.7		
Feb.			Sec. 10.8		
Feb.			Sec. 10.9 through 10.10		
Feb.	28	F	Tutorial 8	A9 11.3, 11.6, 12.2, 12.6, 12.11, 12.12, 12.14, 12.16	A8
Mar.	3	M	March Break		
Mar.	7	F			
Mar.	10	M	Sec. 10.11 thru 10.14		
Mar.			Sec. 11.1 through 11.3		
Mar.			Sec. 11.4 through 11.5		
Mar.	14	F	Tutorial 9	A10 12.18, 12.22, 12.26, 12.31, 12.34, 12.39	A9
Mar.	17	M	Sec. 12.1 thru 12.4		
Mar.			Sec. 12.5		
Mar.			Sec. 12.6		
Mar.	21	F	Midterm 2	A11 13.3, 13.6, 13.14, 13.19, 13.26, 13.29, 13.36, 13.38, 13.45, 13.46	A10
Mar.	24	M	Sec. 12.7 through 12.9		
Mar.			Sec. 13.1 through 13.3		
Mar.			Sec. 13.4 through 13.6		
Mar.	28	F	Tutorial 10	A12 14.4, 14.7, 14.12, 14.14, 14.17, 14.20, 14.25, 14.32, 14.34, 14.48, 14.52	A11
Mar.	31	M	Sec. 13.7 through 14.2		
Apr.			Sec. 14.3 through 14.5		
Apr.			Sec. 14.6 through 14.8		
Apr.	4	F	Tutorial 11		A12
Apr.	7	M	Review of Course		
Apr.			Review of Course		
Apr.	9		Review of Course	Last day of classes	