Computing Science 355

Course Information Sheet, Fall 2000

Learning Activities

for the student:

- to be able to design, analyze and construct a simple digital circuit
- to understand the fundamentals of digital design
- to appreciate the simplicity of logic design at a low level
- to appreciate the need for the testing, and the planning for testing, of all digital systems

for the course:

- to provide a sound basis for later courses in related areas
- to integrate VHDL into a traditional logic design course

Overall, this course is intended for everyone who wants to understand how to design and build real digital circuits.

Instructor: Dr. Peter Walsh

Office: Bldg 315 Room 214
Phone: 753-3245 Ext 2363
E-mail: pwalsh@csciun1.mala.bc.ca

Text: Introduction to Digital Systems (Ercegovac et. al) Wiley

Text is available at the MUC Bookstore.

Evaluation:

Three Exercises	15%
Eight/Nine Lab Exercises	20%
One in-class Midterm Examination	20%
One Final Examination	45%

Text ReadingSchedule:

Lecture Date	Chapter
Sep 7,8,11,14,15	1,2.1-2.4.1
Sep 18,21	2.4.2-2.6
Sep 22	3
Sep 25,28,29,2	5,6
Oct 5,6	7
Oct 12,13,16,19	8
Oct 20	MIDTERM EXAM
Oct 23,26,27,30	9
Nov 2,3,6,9	10
Nov 10,16,17,20	11
Nov 23,24	12
Nov 27,30 Dec 1,4	13 (14)

Provisional Lab Schedule:

Lab Date	Lab Number	Section
Sep 11	0	1
Sep 13	0	2
Sep 18	1	1
Sep 20	1	2
Sep 25	2	1
Sep 27	2	2
Oct 2	3	1
Oct 4	3	2
Oct 9-13	No Labs	1/2
Oct 16	4	1
Oct 18	4	2
Oct 23	5	1
Oct 25	5	2
Oct 30	6	1
Nov 1	6	2
Nov 6	7	1
Nov 8	7	2
Nov 13-17	No Labs	1/2
Nov 20	8	1
Nov 22	8	2
Nov 27	9	1
Nov 29	9	2

Appeals of Grades: Any exercise or examination grade may be appealed. However, the appeal must be made to the instructor, in writing and attached to the work in question, and within 14 days of the grade being made available to the class. The instructor reserves the right to re-grade the entire piece of work submitted on appeal, not necessarily just the component that the student believes is in error.

Grade Conversion: The following scale will be used but the instructor reserves the right to lower the numerical score required for a particular letter grade if that seems appropriate, but the same conversion will be applied to all persons in the class. Under no circumstances will the numerical score required for a particular letter grade be raised.

90-100	A+
85-<90	A
80-<85	A-
75-<80	B+
70-<75	B
65-<70	B-
60-<65	C+
55-<60	C
50-<55	D
<50	F

NOTE : In order to pass the course, the following conditions MUST BOTH be satisf ied: (1) a passing mark must be obtained on the final exam (2) a passing mark must be obtained in the combined mark of the labs. That is, you must do the labs - they are not optional, but an integral part of t he course.

Lab and Computer Usage Rules:

(see http://csciun1.mala.bc.ca:8080/~pwalsh/teaching/localRules.html)

Guidelines Concerning Fraud

These guidelines concern the type of fraud where a student presents another's work as his or her own, or allows another to do so.

- As fraud invalidates the evaluation of a student's progress, it is the duty of instructors, teaching assistants, and laboratory assistants to take measures to prevent fraud and to be vigilant towards symptoms of fraud.
- Students are encouraged to study together. But, unless the contrary is indicated, submitted work is to be done by students individually. Students are to collaborate on submitted work only when this is explicitly permitted by the instructor. In such a case, the names of all students who have collaborated on a piece of submitted work should be indicated on all submitted material. As in all academic endeavour, due credit must be given to all reference material. Students should consult the course instructor if they are not certain which outside material is appropriate for use in a course. The collaboration is to involve reasonable effort on the part of all students involved. In a situation where this is clearly not the case, appropriate action will be taken with regard to those students who have not fully contributed to the collaborative effort.
- In case fraud is detected, credit is withheld from the work affected. The students involved are reported to the department chair who may take additional disciplinary action commensurate with the severity of the fraud and the past records of the students.
