

**Ryerson University
Department of Mathematics**

**MTH314 – Discrete Mathematics for Engineers
Winter 2007**

1. BASIC INFORMATION

INSTRUCTOR: Dejan Delic

OFFICE: ENG 228

TELEPHONE/e-MAIL: 979-5000, x.6971; ddelic@ryerson.ca

OFFICE HOURS: M 10-11, R 10-11.

METHOD OF POSTING GRADES: final marks will be communicated by the Registrar's Office in May

COURSE WEBPAGE: <http://www.scs.ryerson.ca/~mth314>. [It will be assumed that students are familiar with the current content of the Webpage].

2. COURSE DESCRIPTION

CALENDAR COURSE DESCRIPTION: Sets and relations, proposition and predicate logic, functions and sequences, elementary number theory, mathematical reasoning, combinatorics, graphs and trees, finite-state machines, Boolean algebra.

FOCUS AND OBJECTIVES: acquiring skills in various areas of discrete mathematics with applications in Engineering

TOPICS: see the outline with the list of recommended homework questions.

REQUIRED TEXT: *Discrete Mathematics with Applications* (3rd Ed.), by Susanna S. Epp, 2004, ISBN 0-534-35945-0

TEACHING METHOD: 3 hours of class lectures per week.

3. EVALUATION:

- | | |
|--------------------------|-------------------------------|
| • 40% Midterm (2 hrs) | March 9 (4-6 PM) - tentative |
| • 60% Final Exam (2 hrs) | during the examination period |

NOTE:

- 1) You must bring a Ryerson Photo ID to the midterm or the final exam.
- 2) There will be **no** supplemental exam.
- 3) For grade assignment and academic misconduct policies, refer to the 2006/2007 undergraduate calendar and relevant Web-pages (please read the documents www.ryerson.ca/acadcouncil/current/pol134.pdf, www.ryerson.ca/acadcouncil/current/pol60.pdf and www.ryerson.ca/acadcouncil/current/pol135.pdf carefully)

MISSED TERM EVALUATIONS or FINAL EXAM:

- 1) Students who cannot be present at a test or exam due to illness must contact the instructor on or before their first day back at school. You must also submit a *Ryerson-approved medical form* filled out by your physician stating, among other things, that you were too ill to attend school on the day of the evaluation and giving the expected duration of incapacitation (blank forms can be obtained from departmental offices, or downloaded from the Web – <http://www.ryerson.ca/rr/medical.htm>). Besides illness, only *extremely serious circumstances, properly documented* will be considered as valid.
- 2) Religious observance must be formally requested (i.e. with *proper forms submitted*; see www.ryerson.ca/acadcouncil/current/pol150.pdf) within the first two weeks of classes.
- 3) Access Centre accommodation requests must be received *no later than a week* prior to a test or an exam.
- 4) If a test is missed, the suitable accommodation will be made, in case the appropriate documentation is submitted in a timely manner. In the case, when the final exam is missed, an 'INC' grade may be given, in accordance to the policies set out in the Calendar.
- 5) If proper documentation is not received *within reasonable time* (generally, that means within 3 *working days* from the day you return to classes) the mark for the missed evaluation will be *zero*.

RE-MARKING OF TESTS:

- 1) Any oversight in the marking must be shown to the instructor *within ten working days* after the test has been returned.
- 2) If a test is submitted for re-marking, the *whole* test may be remarked.