

CSC465/2104 Formal Methods of Software Design 2011 Fall

Instructor E.C.R.Hehner, BA3250, 416-978-6026
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Lectures Mondays and Wednesdays from Sep.12 to Dec.7 from noon to 1pm in BA0024,
plus Fri.Sep.16, Fri.Sep.30, Fri.Oct.7 also from noon to 1pm in BA0024,
minus Mon.Oct.10 (Thanksgiving), Wed.Oct.19 (test).

Office hours: Tuesdays from Sep.13 to Dec.6 from 3pm to 5pm in BA3250

Teaching Assistant: Lev Naiman

Tutorials Fridays Sep.23 and from Oct.7 to Dec.2 from noon to 1pm in BA0024

Website www.cs.utoronto.ca/~hehner/csc465 user: formal password: methods

Assignments, Test, and Exam

assignment 0	due Mon.Sep.26 at 12:10pm	BA0024	10%
assignment 1	due Mon.Oct.17 at 12:10pm	BA0024	10%
test	Wed.Oct.19 from 12:10pm to 1pm	BA1220	20%
assignment 2	due Mon.Oct.31 at 12:10pm	BA0024	10%
assignment 3	due Mon.Nov.21 at 12:10pm	BA0024	10%
assignment 4	due Mon.Dec.5 at 12:10pm	BA0024	10%
exam	between Dec.9 and 20, 2 hours		30%

Assignments may be handed in early in BA3250 (under the door if no-one is there). Assignments will not be accepted late, except in case of illness or personal problems; late assignments must include a written reason for lateness. Each assignment must have a cover page (available from the website), and its pages must be securely fastened together (stapled or bound; no paper clips). Graded assignments will be handed back in tutorials.

The printed textbook may be used on the test and exam. On the test and exam, a blank answer is worth approximately 33%; from that, marks will be awarded for relevant and correct information, and marks will be deducted for irrelevant or incorrect information. The graded test will be handed back in tutorial; the graded exam will not be handed back.

Text E.C.R.Hehner: *a Practical Theory of Programming*, current edition available free at www.cs.utoronto.ca/~hehner/aPToP

Reference Books For further reading on the subject, consult:

R.-J.Back, J.vonWright: *Refinement Calculus*, Springer, 1998

C.A.R.Hoare, J.He: *Unifying Theories of Programming*, Prentice-Hall 1998

W.-P.deRoever, K.Engelhardt: *Data Refinement: Model-Oriented Proof Methods and their Comparisons*, tracts in Theoretical Computer Science volume 47, Cambridge U Press, 1998