

CSC465/2104 Formal Methods of Software Design 2009 Fall

Instructor E.C.R.Hehner, BA3250, 416-978-6026
hehner@cs.utoronto.ca and put csc465 or csc2104 in the subject line

Lectures Mondays from Sep.14 to Nov.30 from 7pm to 9pm in BA1240
exceptions: there are no lectures Mon.Oct.12, Mon.Oct.26, Wed.Nov.11
(There is a test Mon.Oct.26 from 7:10pm to 8pm in BA1240.)

Office hours: Mondays and Tuesdays from Sep.14 to Dec.1 from 5pm to 6pm in BA3250
exception: there is no office hour Mon.Oct.12

TA: Robert Will, t7willro@cdf.utoronto.ca

Tutorials Mondays from Sep.21 to Nov.30 from 6pm to 7pm in BA1240
exception: there is no tutorial Mon.Oct.12

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

Assignments, Test, and Exam

assignment 0	due Mon.Sep.28 at 7pm	BA1240	10%
assignment 1	due Mon.Oct.19 at 7pm	BA1240	10%
test	Mon.Oct.26 from 7:10pm to 8pm	BA1240	20%
assignment 2	due Mon.Nov.2 at 7pm	BA1240	10%
assignment 3	due Mon.Nov.16 at 7pm	BA1240	10%
assignment 4	due Mon.Nov.30 at 7pm	BA1240	10%
exam	between Dec.9 and 18, 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.deRoeover, K.Engelhardt: *Data Refinement: Model-Oriented Proof Methods and their Comparisons*, tracts in Theoretical Computer Science volume 47, Cambridge U Press, 1998