CSC 470 September 7, 2000
Fall, 2000

CSC 470: Computer System Modelling and Analysis

Class Sessions:

Lecture	Mondays	12:10 to 1:00	Room SF 1105
Lab I	Tuesdays	9:10 to 11:00	Room GB 251
Lab II	Thursdays	9:10 to 11:00	Room GB 251
Lecture	Fridays	11:10 to 1:00	Room SF 1101

Instructor:

Professor K.C. Sevcik
Room LP 398E
978-6219
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Tutors:

Stergios Anastasiadis	(stergios@cs.utoronto.ca)
Kiam Choo	(kchoo@cs.utoronto.ca)
George Giakkoupis	(ggiak@cs.utoronto.ca)
Diego Macrini	(dmac@cs.utoronto.ca)

Text:

R. Jain,
The Art of Computer Systems Performance Evaluation,
John Wiley & Sons, 1991.

Slide Copies and Documentation:

J. A. Rolia and K. C. Sevcik,
CSC 470 Course Notes: Notes on Computer System Modelling,
Available at U. of Toronto Bookstore, September 2000.

Marking Scheme:

Laboratory Work	50%	[Due Sep. 28, Oct. 12 & 26, Nov. 9 & 23]
Midterm Test	15%	[On Monday, Oct. 16th in lecture hour]
Final Exam	35%	[In the Dec. 11th to 22nd examination period]

	100%	

Laboratory Assignments:

There will be five marked laboratory assignments, each involving two lab sessions. In the first lab session, you will be required to prepare some software to do a certain task; in the second lab session, you will be asked to use the software to solve specific problems. You will be expected to submit one copy of your work in progress after the first lab session, and then a final version after the second lab session.

Laboratory work should be done in teams of two or three. Discussion among class members is encouraged in *planning* approaches to solving the laboratory problems, but every team must *independently* produce their own programs for solving the problems.

Optional Supplementary Books:

A. M. Law and W. D. Kelton,
Simulation Modeling and Analysis (2nd Ed.),
McGraw Hill, 1991.

E. D. Lazowska, J. Zahorjan, G. S. Graham and K. C. Sevcik,
Quantitative System Performance: Computer System Modelling Using Queueing Network Models,
Prentice Hall, 1984 (also available in softcover at UofT bookstore).

D. A. Menasce, V. A. Almeida, and L. W. Dowdy,
Capacity Planning and Performance Modeling,
Prentice Hall, 1994.

D. A. Menasce, and V. A. Almeida,
Capacity Planning for Web Performance: Metrics, Models, and Methods,
Prentice Hall, 1998.

C. U. Smith,
Performance Engineering of Software Systems,
Addison-Wesley, 1990.