

Nipissing University
Department of Computer Science & Mathematics
MATH 2076 - Probability & Statistics I
Winter 2011

Course Outline

- **Class Hours**

Lectures: Monday, Wednesday, 8:30–10:30 AM, Room A223

- **Instructor**

Dr. Tzvetalin S. Vassilev

Office: A124E

Phone: 474-3450, ext. 4568

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Office Hours: Tuesday 10:00 AM–12:00 PM,

Thursday 10:00 AM–2:00 PM or by appointment

- **Required Text**

Dennis Wakerly, William Mendenhall, and Richard Scheaffer,
Mathematical Statistics with Applications,
7th Edition, Duxbury (Thomson Brooks/Cole), 2008, ISBN: 978-0-495-11081-1

- **Additional/Suggested Materials**

Student Solutions Manual, ISBN: 0-495-38506-9

- **Course Content**

The course is based on Chapters 1–5 of the text.

Topics Include: Probability, Independent Events, Conditional Probability, Discrete Random Variables, Probability Distributions: Binomial, Geometric, Hypergeometric, Poisson, Expected Value, Moments and Generating Functions, Continuous Random Variables and Probability Distributions, Multivariate Probability Distributions, and others as time permits.

- **Evaluation**

Assignments & Quizzes – 40%

Midterm examination – 20%

Final examination – 40%

- **Examinations**

– Date of the midterm examination:

Wednesday, March 02, 2011

– Date of final examination:

TBD

– Quizzes, both announced and unannounced will be given throughout the semester. Each quiz will carry a weight of one assignment.

– Midterm examination will be 120 minutes long and will be held during the time slot normally allocated for the lecture.

– Midterm and final examinations will be closed book. The use of notes, formula sheets, calculators will not be permitted.

- **Assignments**

– There will be 6 homework assignments.

– Problems will be assigned from the text.

– Due date for each assignment will be announced.

– No late work will be accepted.