

University of Prince Edward Island  
Department of Mathematics and Statistics  
Mathematics 111 D: Finite mathematics  
Fall 2006

Course Outline

**LECTURES:** Tuesday and Thursday 4:00–5:15 p.m. in Room: CC 101A

**INSTRUCTOR:** Shafiqul Islam  
Office: CASS 411  
Phone: 566-0619, email: [sislam@upei.ca](mailto:sislam@upei.ca)  
<http://www.math.upei.ca/~sislam>

**OFFICE HOURS:** Monday 11.30-2.00 p.m., Wednesday 3.00 - 4.00 and Thursday 10:00 to 12:00 noon  
in CASS 411 or by appointment

**TEXT:** *Finite Mathematics*  
8th edition by Lial, Greenwell and Ritchey  
This book is available in the bookstore

**Math Help Center:** <http://www.math-cs.upei.ca/html/helpcentre.html>  
Robertson Library "Pit" area  
Contact Info:  
Phone 566-6052;  
E-mail: [mathhelp@upei.ca](mailto:mathhelp@upei.ca)

**Topics**

Chapter	Title and sections
1	Linear Functions (Sections: 1.1-1.2)
2	Systems of linear equations and matrices (Chapter 2: 2.1-2.6)
3	Linear programming (Sections: 3.1-3.3)
4	Linear programming (Sections: 4.1-4.3)
7	Sets and probability (Sections: 7.1-7.6)
8	Probabilities (Sections: 8.1-8.5)

**GRADING:** Assignments 15%  
Term Tests 35%  
(October 10 and November 14 in class)  
Final Exam 50%  
(December 5-December 14)

## **ASSIGNMENTS( 15% )**

The assignments are an important part of the course. The assignments will be given weekly and they will be collected at the beginning of class each Thursday. No late assignments will be accepted. The first assignment is due on Thursday September 14. Assignments and their solutions will be posted on the UPEI's course management system: <http://moodle.upei.ca>. You must sign up for an account on this server before you can access the courses it contains.

**Course web page:** For important information about this course there will be a course web-page: <http://www.math.upei.ca/~sislam/math111d.html>

## **Mid Term Tests( 35% )**

The first mid term test will be on October 10 and the second term test will be on November 14.

## **Final Exam( 50%)**

The final exam will be between December 5 and December 15. The syllabus for the final exam will be materials that I will cover in this course (week 1 to week 13).