Syllabus and Course Outline
Math 324

Course Title: Math 324 - Probability and Statistics with Computing

Instructor: Dr Ben Bolstad
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Office: Sci 387

Office Hours: MW 13:10-14:00 (1:10pm-2:00pm)

Textbook: Devore (2003) *Probability and Statistics for Engineering and Science* 6th edition Duxbury

Topics that will be covered:

Some of the topics we will discuss include:

- Descriptive Statistics
- Probability Theory
- Probability Distributions
- Probability and Sampling Distributions
- Estimation
- Hypothesis testing

Assessment:

Homework (20%): Approximately bi-weekly, with the problems announced in class. Will be due at the beginning of the class hour on specified due date. Late homework will not be accepted. Your final homework score will be computed so that it is possible to get full marks even if you miss (or get incorrect) one complete homework.

Assignments (30%): 5 or 6 assignments that will require you to write programs or use a data analysis package to carry out simulations, analyze data and produce basic reports. More details on what is expected will be given with the assignments. Late assignments will not be accepted.

Midterm Test (20%): 1 test given in class, with date to be announced

Final Exam (30%): may include anything covered in the class, with emphasis on material after the midterm

You must attend the Final Exam no excuses permitted. You will be allowed to bring in one hand written US letter sized piece of paper with any notes or formulas you wish to the midterm tests and exam. These notes must be submitted with your test paper, but will be returned to you.

Calculators: You might find it useful to use a calculator for this class in the midterm test and Final exam. In general, any scientific calculator is acceptable provided it does not allow you to store pages of text. ie Palm Pilots and other PDA are not permitted.

Grading Policy:

Final grades will be assigned according to the following scale

A	A-	B+	B	B-	C+	C	D	F
>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=50	< 50

Plagiarism and Cheating: These are serious issues. You are expected to do your own work and write your own assignments. If I detect any evidence of cheating between any parties I will immediately assign all guilty parties 0 for that assignment and the processes in the University regulations for dealing with academic misconduct will be invoked.

Disclaimer: While every effort has been made to ensure this document is correct and complete, I reserve the right to make changes if required. Any changes will be announced in class and by other means if necessary. It is your responsibility to be aware of any changes whether you have been attending class or not.