

Syllabus and Course Outline

Math 124

Course Title: Math 124 - Elementary Statistics

Class Website: <http://math124sfsu.bmbolstad.com>

Instructor: Dr Ben Bolstad

Email: bolstad_math124@bmbolstad.com

Office: Sci 387

Office Hours: TTh 11-12pm

Textbook: Moore and McCabe (2003) *Introduction to the Practice of Statistics* Fourth Edition, Freeman

Topics that will be covered:

We will cover some of the material from the first 10 chapters of the text, although not necessarily in the exact same order. Some of the topics we may consider include:

Descriptive Statistics, Probability, Sampling and Design of Experiments, Estimation, Hypothesis testing, Correlation and Linear Regression, Chi-square tests and Contingency tables

Assessment:

Homework (20%): Approximately 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 (20%): 3 assignments (equally weighted) that will require you to use Excel (or other similar software) to 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 Tests (30%): 2 tests (15% each) given in class, with dates to be announced

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

You must attend the Final Exam no excuses permitted. You may miss one midterm test provided you provide prompt details of your absence to the instructor. There are no make-ups. 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. You may write on both sides. 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 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.

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.

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

Suggestions for doing well:

- Developing good problem solving skills is key. Use the homework as a learning opportunity. Often solutions will be available later on the website. Be sure to check these against your own work. When we spend class time on problem solving activities, use it wisely.
- Try to give yourself plenty of time to do the homework and assignments. DO NOT wait until the last day to start.
- Do not be afraid to ask questions during class. If something is not immediately clear to you then it is likely that there are others who also don't understand.

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.