

MATH 234 WA
Statistical Methods and Theory II (Q)

Instructor: Kari Salois, M.S.
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Course Description:

This is a second course in applied statistics and theory. Topics include analysis of variance, multiple linear regression, and nonparametric statistical methods. The statistical software package SPSS will be used to illustrate the material presented. *Prerequisite: MATH 233.

Textbook:

Moore, Notz, Fligner. The Basic Practice of Statistics (8th ed.). MacMillan Learning. (Options below)

- Ebook with SaplingPlus (6 month access) ISBN: 978131921327 (\$72)
- Loose Leaf with SaplingPlus (6 month access) ISBN: 9781319216245 (\$135)

Technology: We will be using the statistical software SPSS in this course. This software is available to you from our IT office. A graphing calculator (such as the TI-83 or TI-84) is required for your homework.

Grading and Assessment:

Your final grade will be based on the following components:

Homework:	25%
Project:	15%
Quizzes:	20%
Midterm:	20%
Final Exam:	20%

Your final grade will be determined according to the following scale:

A \geq 93	A- = 90 – 92	
B+ = 87-89	B = 83-86	B- = 80-82
C+ = 77-79	C = 73-76	C- = 70-72
D+ = 67-69	D = 63-66	D- = 60-62
F \leq 59		

Late Work:

I will accept late work on a case by case basis. Late assignments will be accepted for one week after the due date with a late penalty. They will be accepted, but not awarded any credit if they are more than a week late. All due dates are posted on Blackboard.

All course material will be available at the beginning of the semester, so if you think you might be away, you have the option to work ahead.

Homework and Quizzes:

Students may drop their lowest homework and quiz grade.

Midterm and Final Exam:

Both of these items will only be available for one week. They will not be accepted after the due date.

ET Policy: I will consider ET requests for students with extenuating circumstances who have completed some of the course material. You must have the support of your advisor to request an ET. Remember: ETs are not automatic.

Honor System:

All academic work at Mary Baldwin University is governed by the honor system. The honor system is what enables students to complete exams at home and do college work outside a classroom.

Please read through the Honor Code here: <http://www.marybaldwin.edu/student/sga/honorcode/>

All tests and quizzes are to be your own work with no input from anyone else.

You may collaborate on homework and the project, but you each must submit the assignment individually. If you do collaborate, list the name of your collaborator on the assignment.

MBU E-mail Addresses:

Emails from the course Blackboard site go automatically to your MBU email address. Remember that all students are required to activate their MBU-issued e-mail accounts. All questions concerning the course must be sent via your MBU email address. Be sure to include “Math171 in the subject line, and your full name.

Periodically throughout the semester, you will receive information about the course through your MBU email address. If you have questions about activating your email account or using the Blackboard course site, please contact your instructor before the start of the semester.

For technical questions - Computer Help Desk at support@marybaldin.edu or 540-887-7075 or <http://www.marybaldwin.edu/oit/help/>.

Initial Schedule – subject to change (official schedule in Blackboard)

Module	Topics	Week (s)	Due (Fridays)
1	Binomial Distributions (Ch 14)	1	May 29 th (deadline extended if you add late)
2	Inference about a Population Proportion (Ch 22)	2	June 5
3	Comparing Two Proportions (Ch 23)	3	June 12
4	Nonparametric Tests (Ch 28)	4	June 19
5	MidTerm Exam	5	June 26
	Project Selection & Outline	6	July 3
6	Review of Inference for Regression (Ch 26)	7	July 10
	Multiple Regression (Ch 29)	8	July 17
7	One-Way Analysis of Variance: Comparing Several Means (Ch 27)	9	July 24
	Two-Way Analysis of Variance (Ch 30)	10	July 31
8	Project Presentation	11	Aug 7
9	Final Exam	12	Aug 14