

MATH 255

Elementary Statistical Methods

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Professor, Department of Mathematical Sciences

- Teaching at UWSP since Fall 2002
 - Personal Background
 - ✓ Born and grew up in MONGOLIA
 - ✓ 4 years in HUNGARY and 26 years in U.S.A.
 - Ph.D. in Probability, Univ. Cincinnati, OH
 - M.Sc. in Statistics, Univ. Illinois, Champaign, IL
- Research and Teaching: *Probability, Statistics, Stochastic Processes*

Office hours by appointment

✓ Email hurlee@uwsp.edu

✓ <https://uwsp.zoom.us/j/2307492939>

!!! This link is different from our class Zoom link.

Class Zoom:

□ Zoom class: 8:00am -10:00am

□ <https://wisconsin-edu.zoom.us/j/96207463608>



Course Goal

- Learning and understanding basics and fundamentals of statistical methods: Chapter 1-9
 - ✓ Analyzing Data Graphically and Analytically
 - ✓ Hypotheses Testing and Confidence Interval
 - ✓ Experimental and Sampling Designs
 - ✓ Linear Regression
- Webpage: **CANVAS@UWSP** for more details

Prerequisites

Math 95 or a suitable placement test.

→ Basic Algebraic Skills

- ✓ Algebraic Operations and Its orders
- ✓ Solving simple equations
- ✓ Proper notations

→ Performing algebraic operations using a calculator

 **THINKING IS REQUIRED!**

Course Grade

- 4 TESTS 72% (each test 18%)
 - FINAL EXAM 28%
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- ✓ Understanding the concept
- ✓ Proper notation and explanation using the context
- ✓ Correctness of the method and formula
- ✓ Accuracy and completeness
- ✓ **NO work, NO credit !!!**

Course Grade

😊 93% ≤ **A** < 100%

😊 90% ≤ **A -** < 93%

😊 77% ≤ **C +** < 80%

😊 73% ≤ **C** < 77%

😊 70% ≤ **C -** < 73%

😊 87% ≤ **B+** < 90%

😊 83% ≤ **B** < 87%

😊 80% ≤ **B-** < 83%

😞 65% ≤ **D +** < 70%

😞 60% ≤ **D** < 65%

💣 **F** < 60%

Attendance

- ✓ Attendance is NOT mandatory but expected.
- ✓ It's your responsibility to catch up your missed classes [read the textbook and watch the recorded videos]
- ✓ The recorded class videos will be available in Zoom.

Recorded lectures

- ✓ I will do my best to provide recorded lectures and post it in Zoom as soon as it's processed.
- ✓ However, there are unforeseen issues
 - The quality of video and voice
 - Delay for uploading the video
 - Technical and software glitches

Tests [take-home]

Dates will be announced a week before

- Test #1: Chapter 1
- Test #2: Chapter 4 & 5
- Test #3: Chapter 6 & 7
- Test #4: Chapter 8 & 9



Each test is graded out of 38 pts.



Test

- There will be a link to the test on CANAVS and activated at 10AM and the test is due at 2PM.
- The test dates will be announced at least 3 days prior to the test.
- There is a 3-point penalty for late submission. You have 4 hours to complete it.
- Any submission after 3pm (beyond one hour late) will be graded as missed and gets 0 point.

THERE IS NO EXCUSE!!!

Test

- You need to print out the test and show your work on the print-out.
- If you don't have a printer, write down each questions and show your work below the each questions. It must be in order.
- Your test must be scanned as a single PDF file. Make sure that your scanned test is readable and well focused.
- [See an example](#) how your submission should look like.

Practice Problems

- A set of practice problems for each chapter.
- Very similar to the problems we do in class
- Posted on **CANVAS@UWSP**.
- NO written solutions or answers to those problems.
- If you want to check your work, you may submit your solutions on CANVAS! So, I can give you a feedback.

How to prepare for the tests

- ✓ Read and understand the examples we do in class.
- ✓ Do the **practice problems**.
- **Is there anything for extra credit?**
Absolutely NONE. Consider each test seriously.
- **Is there a review class for tests?**
NO. You review it and ask questions if any.

Final Exam (online)

The final exam will be comprehensive

✓ Chapter 1, 2, 3, 4, 5, 6, 7, 8, 9.



Q: How to prepare the Final?

A: Review all practice problems and in-class example

Q: Is there a review class?

A: No. You review it and ask question if any.

Calculator

- A scientific calculator will be necessary in this course.
- Graphing calculators such as TI-83 or TI-84 etc. are allowed
- Calculators that do symbolic calculations such as TI-84 Inspire CAS, TI-86, TI-89 and TI-92 may NOT be used.

Disability

If special accommodations are required for tests and exam, you need to contact the [Office of Disability Services and Assistive Technology Center](#)

- ✓ Email: datctr@uwsp.edu
- ✓ Phone: (715) 346 3365

Rights and Responsibilities

Student Academic Standards and Disciplinary Procedures, UWS/UWSP Chapter 14:

https://www.uwsp.edu/dos/Documents/2015_Aug_Community%20Rights%20and%20Responsibilities%20Web.pdf

The general Rights and Responsibilities:

https://www.uwsp.edu/dos/Documents/2015_Aug_Community%20Rights%20and%20Responsibilities%20Web.pdf

General Evacuation Procedures

<http://www.uwsp.edu/rmgt/Pages/em/procedures/initial/general-evacuation.aspx>