

MATH 255

Elementary Statistical Methods

- Mon, Tue, Thu, Fri 10:00am – 10:50am
- DUC 350 (Alumni Room)

9/5/2020

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Fall 2020 **MATH 255**

Elementary Statistical Methods


Hurlee Gonchigdanzan
Professor, Department of Mathematical Sciences

- Teaching at UWSP since Fall 2002
- Personal Background
 - ✓ Born and grew up in MONGOLIA
 - ✓ 4 years in HUNGARY and 25 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*

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 **COVID19 Guidelines**

- ✓ Please monitor your own health each day. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; contact [Student Health Service](#).
- ✓ Maintain a physical distance from others whenever possible.
- ✓ Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.

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University policy regarding face coverings




- ✓ The wearing of face coverings is mandatory in all buildings.
- ✓ Unless everyone is wearing a face covering, in-person classes cannot take place.

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University policy regarding face coverings



- ✓ Student with a condition that impacts their use of a face covering should contact the [Disability and Assistive Technology Center](#) to discuss accommodations in classes.

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 **If student gets quarantined or sick**

- ✓ I can provide a synchronous lecture via Zoom if it's needed.
- ✓ Time and date for the Zoom lecture will be determined when it happens.

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Disability


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

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

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Recorded lecture




- ✓ I will do my best to provide recorded lectures. However, there are unforeseen issues
 - The quality of video and voice
 - Delay for uploading the video
 - Technical and software glitches

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In-Person Class




- ✓ Attendance is NOT mandatory but expected.
- ✓ It's your responsibility to read the textbook and catch up your missed classes.

If you have a concern on the modality of this section, you may consider Section 1, 7, and 8 which are synchronous and asynchronous online classes.



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After Thanksgiving

- ✓ The campus will move to online.
- ✓ Synchronous lecture from 8:00-8:50 via Zoom.
- ✓ Any test and final will be online.
- ✓ Office hours will be online.
- ✓ Feel free to text me to my cellphone (715) 2526635 or Zoom or MS Teams.

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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

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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!

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Course Grade

- 4 TESTS 72% (each test 18%)
- FINAL EXAM 28%

- ✓ Understanding the concept
- ✓ Proper notation and explanation using the context
- ✓ Correctness of the method and formula
- ✓ Accuracy and completeness
- ✓ **NO work, NO credit !!!**

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Course Grade

<ul style="list-style-type: none"> ☺ 93% ≤ A < 100% ☺ 90% ≤ A- < 93% ☺ 77% ≤ C+ < 80% ☺ 73% ≤ C < 77% ☺ 70% ≤ C- < 73% 	<ul style="list-style-type: none"> ☺ 87% ≤ B+ < 90% ☺ 83% ≤ B < 87% ☺ 80% ≤ B- < 83% ☹ 65% ≤ D+ < 70% ☹ 60% ≤ D < 65% 🔥 F < 60%
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Tests

Dates will be announced a week before

- Before Thanksgiving**
 - Test #1: Chapter 1 (in-class)
 - Test #2: Chapter 4 & 5 (in-class)
 - Test #3: Chapter 6 & 7 (in-class)
- After Thanksgiving**
 - Test #4: Chapter 8 & 9 (online)

**NO
WORK
NO
CREDIT**

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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.

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Practice Problems

- A set of practice problems for each chapter.
- Posted in **CANVAS@UWSP**.
- NO written solutions or answers to those problems.
- Very similar to the problems we do in class
- You must see me outside of class if you have a question about these problems or need to check your work!

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Note Card for Formulas

- ❑ You may use ONE 3x5 note card on each test. However,
 - ✓ No sentences
 - ✓ No examples or solutions to any problems
 - ✓ May NOT share your formula card with others

Formula card is optional, so you will NOT be excused if you forget to bring your card or write the formulas you need.

BE RESPONSIBLE!!!

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Office hours by appointment

How? (your name and MATH 255)

- ✓ Email hurlee@uwsp.edu
- ✓ Text (715)2526635

Where?

- ✓ Zoom 
- ✓ MS Team 
- ✓ Room D359 Sci (Hurlee's office)

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Suggested Problems

- There are a list of suggested problems from the textbook.
- **The suggested problems will not be collected or graded**

See **Course Outline** in **CANVAS@UWSP**


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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.

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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.

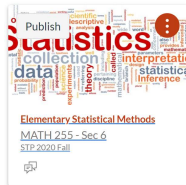
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Class Webpage

CANVAS@UWSP

- ✓ Syllabus
- ✓ Course Outline
- ✓ Lecture Notes
- ✓ Course Calendar
- ✓ Practice Problems



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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>

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