

# MATH 255

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## Elementary Statistical Methods

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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 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*



# Course Goal

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- 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

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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

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- 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

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😊 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

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

## **Section 1** [8am – 8:0am]

<https://uwsp.zoom.us/j/99005348831>

## **Section 4** [1pm – 1:50pm]

<https://uwsp.zoom.us/j/91605783681>

# Recorded lecture

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- ✓ 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



# Tests [online]

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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



# Practice Problems

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

# How to prepare for the tests

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- ✓ 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)

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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

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- 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.

# Office hours by appointment

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(Put your name and MATH 255)

- ✓ Email [hurlee@uwsp.edu](mailto:hurlee@uwsp.edu)
- ✓ Text (715)2526635

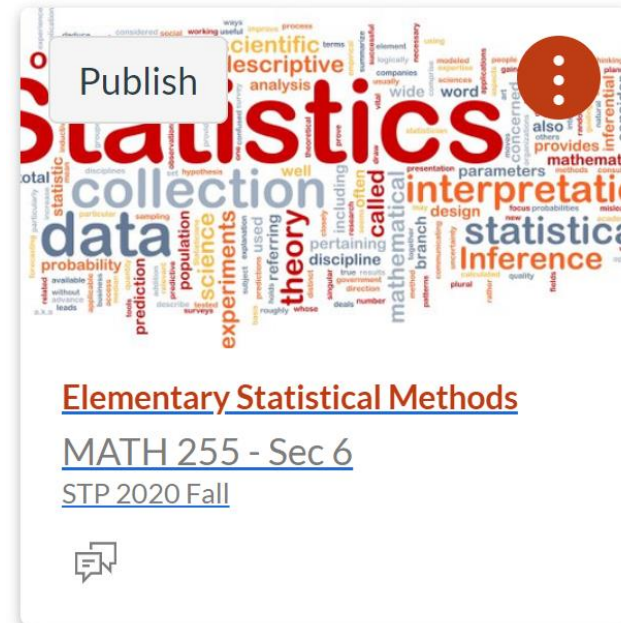


# Class Webpage

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## CANVAS@UWSP

- ✓ Syllabus
- ✓ Lecture Notes
- ✓ Recorded class video
- ✓ Course Calendar
- ✓ Practice Problems



# Disability

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





# Rights and Responsibilities

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

[https://www.uwsp.edu/dos/Documents/2015\\_Aug\\_Community%20Rights%20and%20Responsibilities%20Web.pdf](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](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>