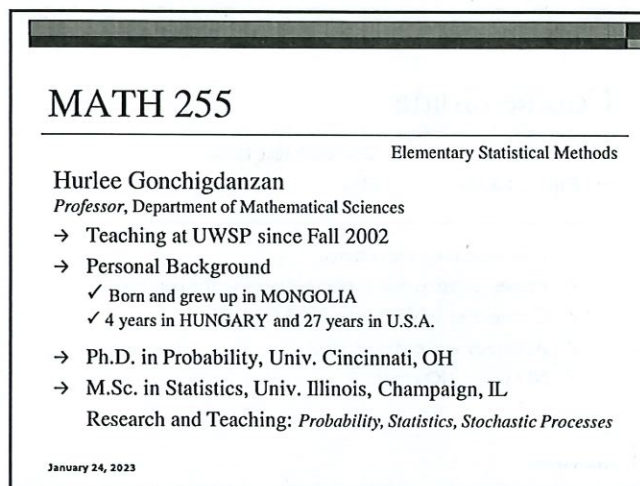


MATH 255

Elementary Statistical Methods

1/24/2023

1



MATH 255

Elementary Statistical Methods

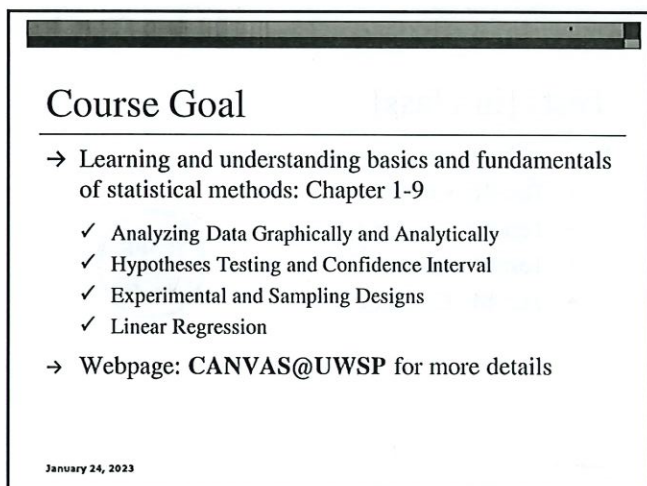
Hurlee Gonchigdanzan
Professor, Department of Mathematical Sciences

- Teaching at UWSP since Fall 2002
- Personal Background
 - ✓ Born and grew up in MONGOLIA
 - ✓ 4 years in HUNGARY and 27 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*

January 24, 2023

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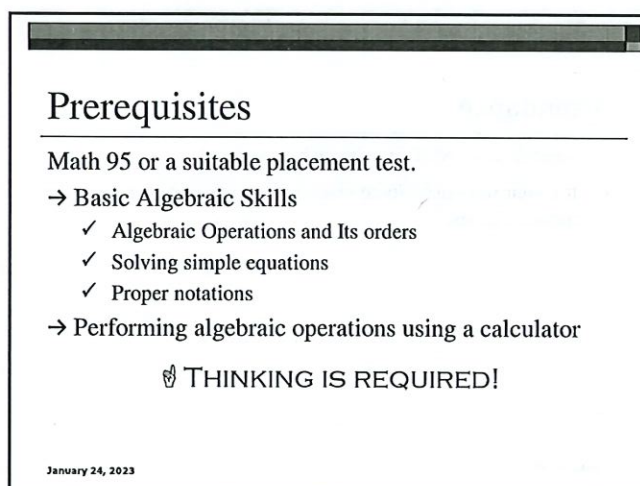


Course Goal

- 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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4

Practice Problems

- 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 on CANVAS if you want me to check your work! So, I can give feedback.

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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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10

Final Exam (in-class)

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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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/rmgmt/Pages/em/procedures/initial/general-evacuation.aspx>

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