

## MATH 255: ELEMENTARY STATISTICAL METHODS

**INSTRUCTOR:** Clare Hemenway

**CLASS TIME And PLACE:** MTWR 2:00 to 2:50 in ROOM 233,

**OR** You can ZOOM into the meeting from CANVAS at this time,

**OR** I will record and post the lecture in CANVAS Homepage and you can view at your leisure.

**NOTE:** If you are attending face to face, there will be assigned seating and you must sit in the same seat throughout the course. **YOU MUST SIT IN SEATS LABELLED A. On the first day, choose an A seat and that will be your seat all semester unless special circumstances occur. If an online student wishes to participate face to face later on or if you wish to come to class for tests, a seat will be given to you at that time. Try to fill seats up front and the middle first.**

**CONTACT INFO:** [clare.hemenway@uwsp.edu](mailto:clare.hemenway@uwsp.edu)

**VIRTUAL OFFICE HOURS:** MTWR 12:15 to 1:15 and by appointment. To access, go to the INTRODUCTION/ESSENTIAL COURSE INFORMATION MODULE near top of CANVAS Homepage and **click on Clare's Virtual Office Room and sign in to join session**. A suggestion would be to **bookmark this site**. In this blackboard collaborative room, **we can share** a whiteboard. If you ask, I am most happy to pop into this virtual room at other times (it would be like asking to come to my physical office at a specific time except it is now virtual). **This room is always open ---so this virtual room can also be used by students for student-to-student study sessions.**

**TEXT AND CALCULATOR:** *Elementary Statistics, A Step by Step Approach, A Brief Version, 6<sup>th</sup> Edition*, Paperback, by Bluman.

A calculator with two variable statistics is a must. I have instructional handouts for the TI-30XIIS or TI-83 or 83 Plus or TI-84 or 84 Plus-so these are highly recommended.

**MATERIAL COVERED:** Most of Chapters 1 thru 3, Chapters 6 thru 9, most of Chapters 10 and 11  
Topics covered: Descriptive Statistics (both graphical and numerical), elementary probability concepts, random variables, concept of sampling distributions and Central Limit Theorem, Inferential Statistics (confidence intervals and hypothesis testing) for a single population mean and population proportion and for equality of two population means and two population proportions, power of a test, linear regression, contingency tables and chi square tests, one-way ANOVA

Written HOMEWORK is assigned, but it will not be collected. It is your responsibility to keep up with assignments and ask questions.

**TEST DATES (tentative):**

- Thursday, February 18
- Thursday, March 18
- Thursday, April 22
- Wednesday, May 5
- FINAL (definite date): Tuesday, May 18 12:30 to 2:30

**GRADING:** 4 Tests 75% (lowest test score is dropped, so each remaining test is worth 25% each)  
Final 25%

A possible **12 points extra credit** (added to a test score) may be obtained through 3 at home quizzes. If you **MUST** miss a test, you **MUST** notify me ahead of time (unless it is an emergency) and if the excuse is deemed reasonable, you might be allowed to take the test at a different time. At most one test will be allowed to be taken at a different time.

### **GRADING RUBRIC**

A $average \geq 92$	A- $90 \leq average < 92$	
B+ $88 \leq average < 90$	B $82 \leq average < 88$	B- $80 \leq average < 82$
C+ $78 \leq average < 80$	C $72 \leq average < 78$	C- $70 \leq average < 72$
D+ $67 \leq average < 70$	D $62 \leq average < 67$	
F $average < 62$		

### **COURSE OBJECTIVES:**

- To become aware of the prevalence and relevance of statistics in our everyday lives
- To become a more informed consumer of statistics in our everyday lives
- To learn how to describe, organize, and summarize data in meaningful ways
- To learn how to analyze data, make predictions, and interpret results
- To learn how to make and test hypotheses
- To enhance problem solving skills
- To appreciate the power of meaningful data
- To have FUN (yes, fun) along with some inevitable FRUSTRATION in learning Statistics

### **BRIEF DESCRIPTION OF HOW THIS COURSE WILL BE TAUGHT:**

This course will be taught face-to-face (or as I like to say, **facemask-to-facemask**) with an online option. For those choosing to take the course online, you can either ZOOM into the class at the scheduled time **OR** you can take the course asynchronously by watching the class lectures, which I will record and post in CANVAS modules for easy, descriptive access, at your leisure. **HOWEVER**, the three extra credit take home quizzes are due on a set date at a set time. **Note**, if you are taking the class face to face, and need to miss a class or several classes, you can watch the class videos as well.

For the extra credit quizzes, **it is required** that you upload them into the appropriate CANVAS assignment as either a pdf or jpeg file (preferably as a single file). (You can take pictures with a smart phone and convert the pictures to a **single pdf file**.) Do a search on how to convert photos to a single pdf for your model of phone. Or, you can scan your work as a single pdf if your scanner allows it.

## COVID PREVENTION

### Face Coverings:

- At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any 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. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.

### Other Guidance:

- Please monitor your own health each day using [this screening tool](#). If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
  - As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus.
- Maintain a minimum of 6 feet of physical distance from others whenever possible.
- Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.