

MATH 255 ELEMENTARY STATISTICAL METHODS

M,T,W,Th: 1:00-1:50 pm

INSTRUCTOR: Dr. Kavita Bhatia

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OFFICE HOURS: MTTh 10 – 11am, and by appointment. You may connect with me during office hours by Zoom. The link is available on the course Canvas page.

COURSE DESCRIPTION: 4 cr. Fundamental concepts and techniques that underlie applications to various disciplines, including descriptive statistics; averages; dispersion; random sampling; binomial, normal, Student T, Chi-square, and F distributions; estimation and tests of hypothesis; linear regression and correlation; laboratory emphasis on sampling and applications.

PREREQUISITES: Math 95 or placement based on the placement test score.

REQUIRED MATERIALS:

1. Text: Introduction to the Practice of Statistics, 8th Ed. by Moore, McCabe and Craig.
2. Calculator: TI-83, TI-83+, TI-84, or TI-84+ is strongly recommended. You need a calculator with basic statistical functions including mean and standard deviation. Cellphone calculators and in general calculators that communicate with other calculators are NOT allowed during tests.
3. Computer access: This course will use Microsoft Excel. You are expected to have access to your UWSP email and Canvas account at UWSP.

GRADING POLICY: Your course grade will be computed as follows:

Homework	10%
Quizzes	8%
Assignments	10%
Exams (3 x16%)	48%
Final Exam	24%
Total	100%

The above distribution may change at the discretion of the instructor.

GRADING SCALE: Grades will be assigned according to the scale below:

93%--100%	A	77%--79%	C+
90%--92%	A-	73%--76%	C
87%--89%	B+	70%--72%	C-
83%--86%	B	67%--69%	D+
80%--82%	B-	60% -- 66%	D
		59% or less	F

HOMEWORK: Homework will be assigned every class period. You should work additional problems if you have difficulty with a topic. I will take questions on the homework at the beginning of every class. Homework will be due by Friday midnight on Canvas. Homework will be graded for completion.

QUIZZES: There will be quizzes throughout the semester in between exams. Quiz dates will be announced in advance. There will be **NO** make-up quizzes. The quiz with the lowest score will be dropped.

ASSIGNMENTS: There will be a few written assignments during the semester. For written assignments, you must write a complete solution to each problem, bare answers without support will receive no credit. Graphs should be labeled. Late homework will not be accepted without the instructor's permission. You may work on the problems with others, but each student must write and turn in their own complete assignment.

EXAMS: There will be 3 exams during the course of the semester plus a final. Make up exams will be given only in the case of a **verifiable emergency**. Exam dates will be announced at least a week in advance. The first exam will be at the end of chapter 2. The final exam is **comprehensive**. Your final exam is scheduled for **Thursday, December 17, 5 -7 PM**

ACCOMMODATION OF RELIGIOUS BELIEFS: Any student who cannot be present for a scheduled exam due to a religious observance will be provided with an alternative way of fulfilling that course requirement, provided the student notifies me ahead of time.

ACADEMIC MISCONDUCT: Academic integrity and honesty are central to the mission of this institution. All cases of academic misconduct will be treated according to the procedures laid out in UWS 14. UWS 14 allows for disciplinary sanctions that range from an oral reprimand to suspension or expulsion from the University. You can obtain a copy of the academic misconduct policy through the Student Services office.

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.

This is a challenging course and requires serious effort on your part. I am available to help you whenever you need any help. Please do not wait to get help if you are having trouble. The only way to learn mathematics is by doing it. **So work hard and do not fall behind.**

Tentative Weekly Schedule – Fall 2021

Week	Approximate text sections to discuss this week	Events this week
1. Sep 2	1.1	
2. Sep 6 – 9	1.2, 1.3	Sep 6 Labor Day No class
3. Sep 13-16	1.4, 2.1-2.2	
4. Sep 20-23	2.3, 2.4	
5. Sep 27– 30	2.5, 2.6, Review	Exam 1
6. Oct 4 - 7	3.1-3.3	
7. Oct 11 - 14	4.1-4.2,	
8. Oct 18 – 21	4.3-4.4	
9. Oct 25 -28	5.1-5.2	
10. Nov 1 - 4	5.3, Review	Exam 2
11. Nov 8 – 11	6.1, 6.2	
12. Nov 15 – 18	6.3, 6.4	
13. Nov 22 -25	7.1, 7.2	No class on Thursday, Thanksgiving Break
14. Nov 29 – Dec 2	8.1, 8.2 Review	Exam 3
15. Dec 6 – 9	9.1 Review	
16. Dec 13-17	_____	FINALS WEEK

Final Exam: 12/17/2020, Thursday, 5 – 7 PM