Math 255 - Fall 2020 Syllabus

Professor:	Dr. Nathan Wetzel			Office:	SCI D352
Office Hours	M W F	9 - 9:50 am		Phone:	715 346-2120
	T R	12 - 12:50 pm			
	or by arrangement				
Classroom times	Math 255H (CPS 116)		MT	RF	10 - 10:50am
	Math 255 (DUC 230A-D)		MT	RF	11 - 11:50am

Text: Introduction to the Practice of Statistics, 8th Ed. by Moore and McCabe.

Supplemental Material: See me regarding possible supplemental texts and user guides. I am trying to maintain files, etc. on Canvas.

Calculators and Computers: A calculator will be necessary in this course (one which calculates means and standard deviations) and may be used on exams. If you are going to purchase a calculator for this course, please see me for recommendations. The computer software MINITAB will be used extensively in this course.

Prerequisites: Math 95 or Math 100 or a suitable placement test score.

Course Goals: Students are expected to understand statistical concepts. We will cover the first 9 chapters of our text. Chapter 1 - *Looking at Data - Distributions*, Chapter 2 - *Looking at Data - Relationships*, Chapter 3 - *Producing Data*, Chapter 4 - *Probability: The Study of Randomness*, Chapter 5 - *Sampling Distributions*, Chapter 6 - *Introduction to Inference*, Chapter 7 - *Inference for Distributions*, Chapter 8 - *Inference for Proportions*, and Chapter 9 - *Analysis of Two-Way Tables*. If time allows, we will cover selected material from Chapter 12 - *One-Way Analysis of Variance*. Critical understanding of the concepts will be necessary. Extra material may be discussed and, when necessary, notes will be distributed. Thinking is required.

This course will satisfies the Quantitative Literacy component of the General Education Program. This means that: After completing this course, students will be able to: (1) Select, analyze and interpret appropriate numerical data used in everyday life in numerical and graphical format, (2) identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications, and (3) construct a conclusion using quantitative justification. In almost every day of class, we will use real data. You will be asked to explain your answers on tests and quizzes, so we will practice this with the real data used in class time. Occasionally, these will be referred as QL LO (Quantitative Literacy Learning Outcome) and then a number.

Evaluation: We will have three in-class exams and one final exam. We will also have 4 or 5 scheduled quizzes. We will also have homework assignments to hand-in. Attendance is expected at every class meeting. It is the student's responsibility for making prompt arrangements with the instructor for making up assigned work. Late assignments will have a 10% reduction in points for each weekday late and after 3 days will be given a 0.

As with most math courses, it is very important to DO problems. As a student, **your** responsibility is first, to seriously attempt to do all of the problems. If you succeed at all of them, go surf the Internet, play a video game, or study for another class. (I put this in here so that you will know that I don't assume that this is your only class - it will only seem like I assume this.) However, if you identify difficulties, your second responsibility is to resolve the difficulties with help from the text, friends, me, etc.

Most days I will give a list of suggested problems. At a *minimum*, you should do these. If you want comments and/or corrections on a particular problem, hand it in to me and I will correct it. **Extra Credit:** You may choose to hand-in your solutions to these suggested problems. I will choose a few problems and grade them (out of 0.5 points). These points will be added to your score on the next test however, the maximum number of points that you can add is (100 − your score)/5. Points accumulated after Test 3 will be added to the final. I DO NOT want to see solutions which are copied from the back of the book (BOB). Extra credit problems are typically due two class periods after appearing on the board and will **not** be accepted late. This extra credit policy is subject to change.

Grading: Grades will be based on the following percentages Lecture Quizzes (one for most days of class) - 10%, Regular Quizzes (four or five quizzes) and Hand-in Homework - 30%, Tests - 36% (12% each) , Final - 24%. A weighted average will be computed and if it is $\geq 93\%$ then the grade will be an A, if it is $\geq 90\%$, then the grade will be at least an A-, if it is $\geq 87\%$, then the grade will be at least an B+, if it is $\geq 83\%$, then the grade will be at least an B, if it is $\geq 80\%$, then the grade will be at least an B-, etc. My opinions is that it should be a CHALLENGE to get an A.

The instructor reserves the right to exercise discretion in raising a student's grade if he feels that the final weighted average does not properly reflect the quality of a student's work. The instructor will not use discretionary judgments to lower a student's final grade. Exceptions to the grading policy above will only be considered if submitted in writing and verbally before the drop deadline. For example, you may petition to submit an essay to substitute for part of the second test, but this should be done before the second test.

A grade of **incomplete** may be given when circumstances arise which are beyond the student's control and the student is unable to complete the course AND the student is passing when the circumstances arose.

General Course Policies:

1. Tests and regular quizzes must be ONLY your own work. I encourage you to work together on homework (unless otherwise specified), but the material you turn in must be your own. Duplicate copies will have their score divided by the number of copies.
2. Without advanced notice, my policy is not to allow make-up tests or quizzes. An exception *is likely to* be made, provided you make your request in advance of the test or quiz. In "emergency" situations call the department office (x2120) BEFORE the test. You must be prepared to document your absence.
3. Appeal of grading should be submitted in writing within 5 days of receiving the evaluation.
4. Special consideration may be made for students with disabilities. See http://www.uwsp.edu/disability/
5. UWSP Community Rights and Responsibilities can be found at the For Students section of the Dean of Students website http://www.uwsp.edu/dos/Pages/default.aspx
6. Copyright and File Sharing: Posting instructor-created course material onto course-sharing websites directly violates the instructor's copyright on his/her academic materials. These materials are provided for your convenience as an aid to learning. Permission to post instructor-created material on any such site is unequivocally denied.

Suggestions:
Read the book.
This means think as you read
Attend class.
Keep up on the problems.
Ask Questions before class.
Ask Questions of classmates.
Ask Questions in the Math Room
(SCI A113A)
DO NOT fall behind
Questions and/or homework may be submitted with e-mail to *nwetzel@uwsp.edu* but you must use pdf format for homework. Please use your initials as the first three characters of the file name. For example, my first assignment would be named `NRW_A1.pdf`

Tentative Calendar

Week	Mon	Tues	Thur	Fri
week of Aug 31	No Class	No Class		
week of Sept 7	No Class			Quiz 1
week of Sept 14				
week of Sept 21			Online	Online
week of Sept 28		Test 1?		
week of Oct 5				
week of Oct 12		Quiz 2		
week of Oct 19				
week of Oct 26			Test 2	
week of Nov 2	Online	Online		
week of Nov 9		Quiz 3		
week of Nov 16				Test 3
week of Nov 23			Thanksgiving -	No class
week of Nov 30		Quiz 4		
week of Dec 7			Quiz 5?	
week of Dec 14	Mon. 12/14 Final Exam 5 - 7 pm			

I hope Test 1 will cover through chapter 2, Test 2 will cover through chapter 5, and Test 3 will cover through section 7.1. The final will cover all of the topics listed in Course Goals.

Extra Issues for Fall 2020:

Some class days will be asychronous online. I will post a video and notes. You can view the video anytime that day. Some of these days are noted in the calendar.

Tests and Quizzes: (tentative plan)

- Tests and Quizzes will be during class time. For online students, my plan is to have the online test available for you at the start of class time and then your uploaded solutions will be due 60 minutes later. Students in class will have onto 52 minutes, but they won't have to upload any documents. For quizzes, the quiz will be available online at 30 minutes after the hour and will be due 30 minutes later. In class students will have the last 20 minutes of class + 2 minutes.

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