

**STAT 401 Section 202:
EXPERIMENTAL METHODS**

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OFFICE HRS: MW 3:40P-4:40 P

F 11:00A-1:00 P

MEETING TIME AND LOCATION:

Lecture: MTWR 2:20P – 3:35P, 120 Thomas Building

Lab: F 2:20P – 3:35P, 004 Life Science Building

TEXTBOOK: We will use the lecture notes by Dr. Akritas. They are available at the Student Book Store on the College Avenue.

COURSE WEBSITE: Angel (www.angel.psu.edu). All course materials will be posted on this website.

COURSE DESCRIPTION: To familiarize students with the basic concepts and ideas of statistics and probability. To provide training in the use of statistical methods and graphics for the analysis and presentation of data encountered in the sciences and engineering.

HOMEWORK: The homework for a particular chapter will be assigned when we BEGIN discussing that chapter. The homework assignments can also be displayed at the course ANGEL home page. In most cases, the homework for a particular chapter will be due during the SECOND class period AFTER completing the discussion on that chapter. If, due to sickness, family emergencies etc, you need to miss class when homework is due, please notify me BEFORE the due date to make alternate arrangements for turning in your homework. To avoid grading and recording errors, problems must be handed in the SAME ORDER as the order they are assigned. Solutions for each homework assignment will be posted on the homepage, typically by the time the homework is returned to you. Homework will usually be returned within two class periods from the due date. It will be placed in an alphabetized stack at the front of the room for you to collect either before or after class time. **No LATE HOMEWORK WILL BE ACCEPTED.**

QUIZZES: Four quizzes will be given during class time. The quizzes will be based on the following chapters:

- Quiz 1: Chapters 1 and 2.
- Quiz 2: Chapters 3 and 4.
- Quiz 3: Chapters 5, 6 and 7.
- Quiz 4: Chapters 8 and 9.

Each quiz will be given following the completion of the last chapter it includes, after the homework from this last chapter has been graded and returned to you. (See below for the

homework policy.) The precise date will be announced, and posted on the course homepage.

If, due to sickness, family emergency, team obligations etc, you need to miss a quiz, you should contact me BEFORE the quiz date in order to make alternate arrangements. There will be no make-up quizzes for those who miss a quiz without pre-notification, and a zero grade will assigned for that quiz. The lowest quiz score will be dropped. Solutions to quiz problems will be posted on the course homepage, typically by the time the quiz is returned to you.

FINAL EXAM: □ The final exam will be comprehensive. Because of this it will be open book and open notes. □

SICKNESS AND COMPASSIONATE WAIVERS: □ As described under Quizzes and Homework.

GRADING POLICY: The final grade will be calculated as follows:

Homework (including lab activities): 40%

Quizzes: 30%

Final: 30%

I will take rolls about 10 times the whole semester. Attendance will be counted as bonus points towards the final grade. For example, if you get 88 based on quizzes, homework and final exam but since you attend all the classes, you will get 88+10 as your final grade and therefore you can get A instead of A- as your course grade.

Final grades will be determined as follows:

A	A-	B+	B	B-	C+	C	D	F
93-100	88-92	85-87	80-84	75-79	70-74	60-69	55-59	<55

Integrity Statement: All Penn State and Eberly College of Science policies regarding academic integrity apply to this course. See

<http://www.science.psu.edu/academic/Integrity/index.html> for details

NEW POLICY FOR CLASSROOM USE: □ There is a new policy governing classroom use. All food and drink (except bottled water) is disallowed from classrooms now. See <http://guru.psu.edu/policies/AD62.html> for more details.