WILMINGTON UNIVERSITY COLLEGE O F EDUCATION AND LIBERAL ARTS BASIC COURSE INFORMATION

COURSE NUMBER	MAT313
COURSE TITLE	Experimental Design
CREDITS	3
PREREQUISITE	MAT308 or MAT 312 with minimum grade of C-
FACULTY MEMBER	
TERM	
METHOD OF CONTACT/ OFFICE HOURS	

COURSE TIME BREAKDOWN

40 Hours of Structured Learning Activities

TEXTBOOKS

*A list of course textbooks are available on the Wilmington University Bookstore website: <u>http://bookstore.wilmu.edu/</u>

COURSE DESCRIPTION: A well-designed experiment is an efficient wayles firning about the world. Experiments are performed in all branches of science, engineering and industry. Problems of increasing size and complexity have led to the development of many new methods for designing and analyzing experiments. This coursedevelops concepts and practices the signing and conducting experiments, along with analyzing experimental results. Topics include randomizatiplication, blocking, factorial design, ANOVA, surveys, etc. Students wild velop a research question, design experiment, and collect and analyze the dat-4.6 (O(es)rtifact .7 (t)c(O(TJ [(i)-4.6 (n a)-1.6 ()10.8 (c)-1.6 (our)6.9 (s)-2.3 (e)-1.7 (b)

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Tests (Addresses objectives 1 through 6)	30%
Discussion Board (Addresses objectives 1 through 6)	10%
Project (Addresses objective 6)	40%
Assignments (Addresses objectives 1 through 6)	20%

LATE ASSIGNMENT POLICY:

Mathematical objectives build on one another. For that reason, due dates are established to ensure that students are able to participate in the next lesson and that instructors can address students' misconceptions. If a student cannot meet a deadline, it is the student's responsibility to contact the instructor ahead of time, requesting an extension. When requesting an extension, the student must provide credible information and/adocumentation to the instructor for review. The instructor will review requests and grant extensions on a-base basis.

Possible reasons to request extensions: military deployment, severe health issues, natural disasters. Unacceptable reasons request extensions: busy schedule, forgetfulness, last minute issues.

Online discussion boards: As it is not fair to other students in the course who are expected to respond to discussion board posts in a timely manner, late discussion board postsealitie posting deadline do not receive credit.

COELA CLASSROOM STANDARDS: See Canvas "Syllabus" area

COURSE SCHEDULE (all assignments and due dates):