Math for Liberal Arts– 640:103 section

Time: 
Room: 
Instructor: 
E-mail Address: 
Telephone: 
Office: 
Office hours: 

Text: Excursions in Modern Mathematics (Fifth edition) Tannenbaum and Arnold, published by Prentice Hall

PREREQUISITE: Successful completion of Math 102– Elements of Algebra with a grade of C or better, or its equivalent, or math placement in college algebra 640:112 or 113. If you have already passed precalculus or higher math course, you will not receive credit or grade for this course.

NOTE: This course is intended for students majoring (or intending to major) in the liberal arts who do NOT intend to take additional mathematics courses. If you intend to take additional courses in mathematics or need algebra as a pre-requisite, you should be taking Math 113 – College Algebra in place of this course. A list of majors for which 640:103 is recommended is: Afro-American and African Studies; American Studies; Ancient Mediterranean Civilizations; Anthropology; Art; Criminal Justice (majors must take 920:301-302 for the statistics requirement); English; Journalism; French; German; History; Italian; Music; Philosophy; Political Science; Puerto Rican Studies; Slavic; Social Work; (majors must take 920:301-302 for the statistics requirement); Sociology; Spanish; Theater Arts and Television; Women’s Studies.

Dates of interest:
First day of classes: 
Last day to drop a course: 
Last day to add a course: 
Last day to drop a course and receive a W grade: 
Spring recess: 
Last day of classes: 
Reading period: 

Final exams: To be announced.

CALCULATOR: You may use a calculator for this course.

HOMEWORK: Problems will be assigned regularly, but will not be collected or graded. Nevertheless, you are expected to complete assignments promptly. Your understanding of the important concepts of the course will be strengthened through your work outside of class. Homework assignments will be discussed at the beginning of every class. HOMEWORK IS THE MOST IMPORTANT COMPONENT OF THE COURSE

GRADING: Exams ....... 2 @ 100 points = 200 points (33%)
Quizzes ....... 8 @ 25 points = 200 points (33%)
Final Exam .... 1 @ 200 points = 200 points (33%)
Total .................. 600 points (100%)
ATTENDANCE:  Your success in this course will be enhanced by regular attendance. Attendance will be taken at each class, and will be counted toward your course grade in the case of “borderline” grades.

PUNCTUALITY:  Class begins promptly, and attendance is taken at the beginning of each class period. Late-comers distract both the instructor and the students, and they disturb the continuity of the lesson in progress. Therefore, please be on time.

COURTESY:  Loudly ringing beepers and cellular phones interrupt class and disturb those around you. Please set your electronic devices to ring silently. If you must leave the classroom while class is in session, please do so without disturbing those around you.

SUPPORT:  I am available to help you on a drop-in basis during my office hours without any appointment, although an appointment will give you priority over any other students. I am also available to help you at other times, but you will need to make arrangements with me beforehand.

MAKE-UPS:  There will be no make-ups allowed for quizzes. Make-ups will be allowed on exams, provided that suitable documentation for the absence is shown (e.g., note from the dean’s office, note from a physician, etc.).

CHEATING:  Violations of academic integrity can result in serious consequences including probation, failing grades, suspension, and expulsion from the university. Consult the pamphlet entitled “Policy on Academic Integrity” for additional information.

Chapters and homework

1. The Mathematics of Voting
   Homework: Pages 29-34# 1, 3, 5, 9, 17, 21, 25, 27, 31, 33, 35, 39, 41
   Quiz #1

2. Weighted Voting Systems
   Homework: Pages 63-66 #1, 3, 5, 11, 13, 15, 17, 23, 25, 29, 37, 41, 43
   Quiz #2

5. Euler Circuits
   Homework: Pages 178-186 # 1, 3, 5, 7, 11,13, 15, 17, 23, 25, 29, 37, 41,43
   Quiz #3

Exam #1

6. Last Traveling-Salesman Problem
   Homework: Pages 218-227 # 1, 3, 5, 7, 11, 13, 15, 17, 21, 23, 25, 27, 31, 33, 37, 39
   Quiz #4

9. Spiral growth in nature
   Homework: pages 332-337 # 1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 23, 25, 27, 33, 35,37, 39
   Quiz #5
10. The Mathematics of Population Growth
Homework: Pages 366-371 # 1, 3, 5, 7, 11, 19, 21, 29, 31, 37, 39, 41

Quiz #6

EXAM #2

13. Collecting Statistical Data
Homework: Pages 467-470 #13, 21, 27, 31

Quiz #7

Descriptive Statistics
Homework: Pages 498-504 # 1 to 45 of odd numbers.

Quiz #8

NOTE: There will be a review for the final exam on the reading day