2014

MATH 120-10 Elementary Functions

Jack Butz

Follow this and additional works at: http://www.exhibit.xavier.edu/mathematics_syllabi_fall_2014

Recommended Citation
http://www.exhibit.xavier.edu/mathematics_syllabi_fall_2014/10

This Restricted-Access Syllabus is brought to you for free and open access by the Mathematics Syllabi 2014 at Exhibit. It has been accepted for inclusion in Mathematics Syllabi Fall 2014 by an authorized administrator of Exhibit. For more information, please contact exhibit@xavier.edu.
MATH 120-10, ELEMENTARY FUNCTIONS

Fall Term      Aug. 25-Dec. 19          HAILSTONES 9       2:30-3:45 PM     TR
       Final Exam: Tuesday, Dec. 16, 1:00 PM-2:50 PM
       Exam Review Study Day: Dec. 15, 9:30-10:30 AM
       No Class: Oct. 9, Nov. 26-30

Instructor:    Jack Butz                Office, Hinkle Hall 131    Phone: 745-3516
       Email butzj1@xavier.edu           ML 4441
       Office Hours: Wednesday           1:00-2:30 PM
       Thursday                          9:00 AM-12:00 PM
       By appointment also

Textbook:      Functions & Change, 5th ed. Crauder, Evans, Noell

Calculator:    Each student must have a TI-83/84 calculator. It is the only one that may
       be used on tests. It is essential that you lean how to use it.

Grading:       A  96-100       The grade is determined as follows:
       A-  93-95       Test Average 80% (20% per test)
       B+  90-92       Final Exam 20%
       B  87-89
       B-  84-86
       C+  81-83       For you “to earn credit…..the student is required
       C  78-80       to attend classroom and laboratory exercises
       C-  75-77       regularly and promptly.” You are allowed
       D+  72-74       three unexcused absences.
       D  69-71       Attendance will be taken and used in computing
       D-  66-68       final grades. Exceeding three absences will result
       F  00-65       in a full letter reduction of the final grade.

Tests:         Sept. 18, Oct. 16, Nov. 6, Dec. 4, Final Exam, Dec. 16 (see above)
       Except for the exam, these dates are tentative and could change. Hats and
       hoods must be removed during a test or the final exam. Taking your final
       exam on a different date requires the written approval of the Department
       Chair and the Dean of A&S.

Objectives:    From the XU Catalog: The Xavier University admission requirement of
       two units of high school mathematics is assumed
       (my emphasis) for all mathematics courses.
       ELEMENTARY FUNCTIONS 3 cr.hrs.
       Polynomial, exponential and logarithmic functions
       their properties, graphs and real-world applications
       will be studied. It is excellent preparation for
       MT 150.

Learning Goals   This course fulfills core curriculum requirements.
Test Makeup: The instructor does not routinely give make-up tests. If you miss one test, then the comprehensive final exam becomes 40% of your final grade. Any missed tests beyond one will result in a grade of zero for that test. Missing the final exam will result in a grade of zero on the exam. A medical emergency, funeral, university sponsored events, etc. are judged on a case-by-case basis. You will need extensive documentation to receive a make-up test/exam. If you are an athlete, I need your official schedule form. You do not have the option of dropping the lowest test grade.

MATERIAL TO BE COVERED
Material will include but not necessarily be limited to the following chapters. Problems are assigned as we go. Handouts might accompany a lesson. Surprise Homework Quizzes (SHQs) will be given as a means of grade enhancement

CHAPTER ONE  FUNCTIONS
CHAPTER TWO  GRAPHICAL AND TABULAR ANALYSIS
CHAPTER THREE  STRAIGHT LINES AND LINEAR FUNCTIONS
CHAPTER FOUR  EXPONENTIAL FUNCTIONS
CHAPTER FIVE  A SURVEY OF OTHER COMMON FUNCTIONS

Addendum The instructor reserves the right to modify or change dates, procedures, etc. at any time except for items under “grading.” Usually changes will be given to you at the beginning of class along with most announcements. That is why it is important for you to attend class and be on time.

Classroom Etiquette Cell phones should be turned OFF before class begins. If you leave class to take a call, you need not bother returning. Your professor does not take kindly to your sending or receiving text messages during class. Do not offend him, lest he asks you to leave the classroom and charges you with an unexcused absence. Be on time for class. Kindly clean up after yourself—bottles, paper, cups, etc. Do not get up to leave class during the lecture unless you have cleared leaving with Prof. Butz or you experience sudden illness. Otherwise you will be charged with an unexcused absence. The only electronic device that you may have out during class is your TI calculator unless you have some kind of accommodation in writing.

Academic Dishonesty Student Academic Dishonesty (SAD), aka cheating, will be reported to the Dean of Arts & Sciences. SAD includes but is not limited to the unauthorized use of notes, cheat sheets, cell phones, items stored in the memory of the TI-83/4, and the like. Such behavior will result in an automatic zero for that test/exam and your referral to the Dean.