COURSE SYLLABUS

Course Info: MATH 104, Section 018C – College Algebra – 3 Credits
Spring 2020 – TTh 9:40AM – 11:10AM, Room 2827

Course Description: Equations and inequalities; graphs, functions and models; polynomial and rational functions; exponential and logarithmic functions.

Text: College Algebra & Trigonometry, by Miller & Gerken, ISBN: 9780078035623
Book is optional, an ALEKS access code is required
Sections: 2.1-2.8, 3.1-3.6, 4.1-4.6

Instructor: Bertrand Tirel

Office: 2835, phone: (920) 832-2637

Office Hours: MT 11:30 – 1:00; WTh 11:30 – 12:00

E-Mail: tirelb@uwosh.edu

Prerequisites: Math 103 with a grade of C or better or placement into Math 104 or higher.

Make-up Policy: Make-up exams will **NOT** be given unless you have a valid reason for the absence. If you feel you have a valid excuse for missing an exam, it is your responsibility to contact me **before** the exam. **Failure to contact me in advance will result in a score of zero on the exam.**   (The best way to contact me is via e-mail.)

Attendance: Attending lectures regularly is in your own best interest. When missing a class, the student is responsible for the material covered during that class.

Assignments: There will be homework due by 11:59PM each Monday on ALEKS. There will also be worksheets to print from Canvas and turn in every Tuesday by 1:00PM in my office.

Quizzes: There will be a 2 minute in-class quiz each Tuesday, where you will have to state a definition, property, or theorem from the past week.

ALEKS Code: XTUWJ-TFYJW

Exam Schedule: There will be 3 exams evenly spaced through the semester and a final exam. I will announce the dates and material covered in class and on Canvas a week in advance.

Grading Policy: Your final grade will be taken out of 1000 possible points, broken into the following components:
        3 Midterm Exams – 150 points each
        Final Exam – 250 points
        Worksheets – 100 points (scaled, lowest dropped)
        ALEKS – 150 points
        In-class Quizzes – 50 points (scaled, lowest dropped)

Grading Scale (%): 93   90   87   83   80   77   73   70   67   63   60   59↓

                            A   A- B+ B   B- C+ C   C- D+ D   D- F

Commitment: The usual guideline is that for each weekly class hour, one should spend two hours on homework. Since there are 3h of class hour in a week, this means that one should expect to spend 6h in a week on homework. These numbers will vary slightly depending on the individual.

Learning Outcomes: The goal of this course is to give students appreciation of mathematics and algebraic tools they need in order to be successful in other mathematics and science courses. It focuses on problem solving, critical thinking and learning basic concepts in Algebra. Upon successful completion of the course, students are expected, but are not limited, to have the ability to do the following.

- Be able to communicate graphically, numerically, and algebraically in the notation and vocabulary of college algebra.

- Display a basic understanding of the general concepts of functions, relations, equations, and inequalities.

- Be competent in working with linear and quadratic functions in theory and application.

- Be able to show a basic understanding of inverse functions by displaying a proficiency in working with their properties.

- Be able to identify the properties of polynomials of different degrees and rational functions.

- Have an understanding of how the roots of a polynomial determine its factorization.

- Display a working knowledge of the definitions and manipulations of exponential and logarithmic functions and equations.

- Be able to model and predict situations using algebra.

Website: In addition to ALEKS, a Canvas course website will be used for announcements, posting lecture notes, worksheets, keys for the worksheets and exams, and other things.

Calculators: TI83+ or TI84+ calculator required but if intending to take MATH 171 at the Fox Cities campus then TI89 or Voyage 200 is recommended.

Technology: Cell phones, laptops, and iPods must be turned off and put away during class.

Misconduct: All suspected incidents of academic misconduct shall be handled using the UW System rules, Chapter 14.

Disclosure: Students are advised to see the following URL for disclosures about essential consumer protection items required by the Students Right to Know Act of 1990: https://uwosh.edu/financialaid/consumer-information/

Tentative Exam Dates and Material:

        Exam 1: Thursday March 5th (2.1-2.8)

        Exam 2: Thursday April 2nd (3.1-3.6)

        Exam 3: Thrusday April 30th (4.1-4.6)

        Final: Tuesday May 12th (cumulative)

Accomodations: The University of Wisconsin Oshkosh supports the right of all enrolled students to a full and equal educational opportunity. It is the University's policy to provide reasonable accommodations to students who have documented disabilities that may affect their ability to participate in course activities or to meet course requirements.

Students are expected to inform Instructors of the need for accommodations as soon as possible by presenting an Accommodation Plan from either the Accessibility Center, Project Success, or both. Reasonable accommodations for students with disabilities is a shared Instructor and student responsibility.

If you are a student with a disability and have an Accommodation Plan, please let me know as soon as possible.

If you have a learning or any other disability that may warrant an accommodation and do not yet have one, please contact Jeri Kukurich (jeri.kukurich@uwc.edu) in the Solution Center. She can help arrange testing if you are not sure if you have a learning disability or if you do not have documentation. You can find more information at this link: https://www.uwosh.edu/deanofstudents/Accessibility-Center/student-resources.

In fairness to other students, I cannot give accommodations without the proper paperwork, but please let me know if you are in the process of obtaining accommodations.

Extra-Credit: On review days, I will collect the practice exams, and give up to 2 extra-credit points per page (2 if all problems are attempted and done mostly right, 1 if some problems are left blank or some problems are done incorrectly) for a maximum of 24 points.