Math 136 - Course Information

Summer 2020

Course: Math 136: Calculus 1 (4 credit hours).
Time: MTWThF: 10:30am-12:05pm via Zoom.
Instructor: Lan Nguyen, Ph.D.
Office: COHH 4131. Cell phone: 270-274-1216.
E-mail: Lan.Nguyen@wku.edu
Office hours: MTWThF: 9:30-10:30 am and and by appointment.

- **Prerequisite**: Four years of high school mathematics including Algebra II, geometry, trigonometry, and satisfactory scores on Math Placement Exam and Math Placement Trig Exam; or MATH 117 or MATH 118, with grade of C or better.

- **Course Description**: The course is designed for students studying majors in science area. Topics under study are: Limits, continuity, differentiation and integration. Supplemental applications will also be included. A graphing calculator is required (TI-84 or equivalent) .

- **Text**: *Calculus of a Single Variable: Early Transcendental Functions*, 7th edition, by Larson and Edwards. This course participates in the WKU Stores Day One Access program. This program is designed to provide immediate access to required materials for all students at prices cheaper than any other option. Required materials will be delivered to you automatically by enrolling in this course unless you choose to opt-out. By participating in this program, the WKU Store will bill your Student Billing account the morning after the add/drop date for the semester (see below), and you will see a charge appear under this Term along with Tuition and Fees (Account Summary by Term under the Student Services tab) labelled as The WKU Store Purchases. For more information on this program or to opt-out of participation, go to The WKU Stores website (www.wkustore.com) and click the Day One Access link under the Course Materials header. The cost of the e-book and Webassign under Day One Access 1 program is $76.50. Students who stay enrolled in Day One Access are also eligible to purchase an optional low-cost looseleaf copy of the textbook for only $25. (Students who opt-out of Day One Access are not eligible to purchase this low-cost version of the book.) Students who wish to opt-out of this program may do so before the end of the Add/Drop period. By opting out you agree to have your e-book and Webassign access terminated and you will be responsible to obtaining the required materials on your own. If you have purchased the optional low-cost book from the WKU Store, you must return it before the opt-out deadline in order complete the opt-out process. It must also be in its original shrinkwrap. For more information about this program and for information on how to opt-out, please visit the link below: www.wkustore.com/t-day-one-access.aspx. Call WKU Store at (800) 444-5155 if you're interested in the optional loose-leaf copy.

- **Syllabus**: Chapter 1-5 and parts of Chapter 6 and Chapter 7.

- **Attendance of Zoom lectures**: Regular, punctual attendance is very important for the success of the course. Your attendance, punctuality and class participation are expected each day. It is the responsibility of students to find out what work and announcements were missed during an absence.
- **Homework**: Homework is assigned by WebAssign. Students are encouraged to ask questions about the last homework during the first ten minutes of each class period. **Homework extensions:** You can totally request up to 3 extensions.

- **Hour tests**: Four hour-tests on the following days (subject to change):
  >> Hour test 1: June 17;
  >> Hour test 2: June 29
  >> Hour test 3: July 10;
  >> Hour test 4: July 21;

  Make-up tests will be arranged only under the most extenuating circumstances provided the instructor is informed **in advance**.
- **Final Exam**: A comprehensive final exam will be given on **Friday, July 24**
- **Grading**: Homework: 9 x 20 pts   = 180 pts
  >> Hour tests: 4 tests x 50 pts   = 200 pts
  >> Final exam: 1 x 80 pts   = 80 pts
  >> _____
  >> **Total:**   **460 pts**

  Your total number of points will determine your grade as follows: A: 90% or above; B: 80 – 89%; C: 70 – 79%; D: 60 – 69%; F: < 60%.
  Borderline cases will be given special consideration and factors such as attendance, class participation, improvement, and final mastery of course content (as reflected by the Final Exam) will be taken into account.
- **Some important dates**: Independence Day: July 3.
- **Academic misconduct**: Don't do it. Cheating or using unauthorized sources on an exam or quiz will result in an "F", as well as the strong possibility of further disciplinary action.
- **Goals for General Education Mathematics** This course satisfies the General Education mathematics requirement in Category D-2, with the goal of providing students with the ability to understand and apply mathematical skills and concepts. After completing Math 136, students will be able to: use fundamental mathematical reasoning principles; use graphical, symbolic, and numeric methods to solve practical problems; and interpret information presented in tables or graphical displays.
- **Learning Outcomes:** Calculus I (4 hours) meets five learning objectives as part of the general education requirement for quantitative reasoning. The goal for MATH 136 is to provide students with the ability to understand and apply mathematical skills and concepts. Students will learn basic concepts of calculus, such as limits, differentiation, and integration. Further, students will learn to model and solve problems appropriate for the field of study in majors of the sciences.
  MATH 136 specifically meets the five learning objectives as detailed below:
  > Learning Objective 1: Interpret information presented in mathematical and/or statistical forms.

Learning Objective 2: Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.
Learning Objective 3: Determine when computations are needed and execute the appropriate computations.
Learning Objective 4: Apply an appropriate model to the problem to be solved.
Learning Objective 5: Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis.

How to register to WebAssign:
1) Go to http://webassign.net and choose "I have a Class Key".
2) Enter the Class Key: **wku 2679 6109**
3) You will receive confirmation that the Class Key has been recognized. Click "Yes, this is my class".