

**MATH 5A –MATH ANALYSIS I (#52120)**  
Spring 2018

**Instructor:** Mr. Conrad Perez

**Class Time:** D 9:00 AM – 9:50 AM

**Classroom:** CCI-206

**Office:** FEM-1H

**Office Hours:** MWF: 11:00 AM – 12:00 PM; TTH: 1:00 PM – 2:00 PM; or by appointment

**Phone:** 638-3641 ext. 3255

**E-Mail:** conrad.perez@reedleycollege.edu

**Textbook:** Calculus, Early Transcendentals (Eleventh Edition) by Anton, Bivens, and Davis

**Important Dates:** Drop Deadline- Fri. Mar 9, 2018.

Days Off- Mon. Jan 15; Fri. Feb 16; Mon. Feb 19; Mon.-Fri. Mar 26 - 30.

Final Exam- Wed. May 16, 2018 from 9:00 AM to 10:50 AM

**Course Prerequisites:** C or better grade in Math 4B, or Math 4C, or equivalent.

**Course Overview:** The course will cover all or parts of chapters 1 - 5. The course objective is to obtain a solid understanding of the following concepts and problems that involve calculus:

- A. analyze and sketch the graphs of simple functions.
- B. determine the domain and range of compound and composite functions.
- C. calculate limits and determine the continuity of functions.
- D. Find the derivative of a function as a limit
- E. differentiate polynomial, trigonometric, rational, exponential, and logarithmic functions.
- F. solve related rates and extrema problems using the derivative.
- G. Evaluate a definite integral as a limit.
- H. perform calculations using the Fundamental Theorem of Calculus.
- I. perform indefinite and definite integration including the use of substitution

**Attendance:** After 5 absences, students may be dropped from the class. Late arrival and leaving class early will be considered as an absence. Any canceled classes will have a note posted on the classroom door.

**Behavior:** A student may be suspended from the class if he or she engages in a classroom behavior that interferes with the learning environment. Such behavior includes, but is not limited to, disruptive conversations with fellow students, regular tardiness, sleeping, and leaving the classroom during class time. Students are expected to turn off all cell phones and other electronic devices during class time.

**Assignments:** There will be 4-6 exams (including the final) worth 100 points apiece. Homework assignments are worth 10 points and quizzes that are given will be worth 1-10 points. Some homework and/or extra credit may be assigned as group work and/or board work during the semester. No homework will be accepted after its due date or no make-up exams will be given without prior arrangements being made before the homework's due date or before the exam. A student caught cheating will receive an F on the assignment and/or may be dropped from the course.

**Grading:** The course grade is based upon the points earned from the homework, exams, extra credit, and the final. At any time during the course, the grade of a student is determined as follows:

$$\frac{\text{Points Earned}}{\text{Total Points Possible}} \times 100 = \text{grade of the student}$$

The grade will be based upon the following percentages (**NO ROUNDING**):  
90-100% A    80-89% B    70-79% C    65-69% D    0-64% F

**Note:** If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.