Reedley College – Spring 2012 - Course Syllabus

Math 5A, Math Analysis I (Calculus), Section # 50678

Instructor: Lina Obeid   **Class Room:** CCI 206   **Class Time:** Daily: 9:00 – 9:50 am
Office: FEM 1   O**ffice Hours:** T, W, Th: 10-11am; or by apt
Phone: 638-3641, ext. 3184   **E-Mail:** lina.obeid@reedleycollege.edu

----

Basic Skills Advisories: Eligibility for English 126   **Subject Prerequisites:** Successful completion of Math 4B, 4C, or equivalent; *Students should <u>not</u> enroll in this class if they did not fulfill these pre-requisites. Students stand to be dropped from the class if they had not fulfilled the pre-requisites before enrolling.*

Required Texts:
- Anton, Bivens, Davis. (2009). *Calculus: Early Transcendentals Single Variable*, 9th Edition. New Jersey: Wiley.
- The Student Solutions' Manual is also required.

Required Materials:
- Engineering graph paper for homework, binder for notes, 4 by 6in lined index cards for quizzes, ruler, pencils, erasers, stapler, and a graphing calculator - TI 83s or TI84s. Check with the instructor to use other calculators. The use of the TI 89s or equivalent is prohibited on tests, quizzes, or exams. The use of pens is not allowed. This class requires students to access and/or print materials from Blackboard in a timely manner.

Attendance and Tardy Policy:
- Students who miss the first day of class may be dropped as a "No Show". Students who are trying to add this class must be present in class the <u>first</u> day of class on time to be considered. Even then, it depends on availability, class size, and capacity. To avoid "class shopping," students will not be added after the second day of class regardless of class size.
- Attendance is not optional. Students are expected to attend every class, arrive on time, and stay for the entire class period. Students who are absent or late, or who leave early will receive a zero on the missed, incomplete, or late assignment. **Late work is not accepted**. Emailing or calling does not excuse an absence.
- If a student arrives late, it is his/her responsibility to inform the instructor after class, so the absence can be changed to a tardy. Two tardies or a partially missed lectures count as an absence.
- A student who is absent or late is responsible to get him/her self updated on the missed materials. In that case, that student will need to ask a fellow student for the notes and/or the missed assignments. Students need to make sure they have a reliable student contact from class to get the missing information. Students can use the math/tutorial center available at Reedley College if they need help understanding the missed material.
- A student *may** be dropped without notice by the instructor after 10 absences (not necessarily consecutive class periods). *** NOTE:** If a student decides to no longer be enrolled in the class, then it is the student's responsibility to drop in a timely manner to avoid receiving a "W" or an "F", following the Reedley College course schedule or catalog's deadlines.

Behavioral, Campus, and Academic Policy:
- Reedley College campus policies and academic regulations will be implemented in this class.
- By enrolling in this class, the student agrees to adhere to any and all of the policies and regulations of this class, as well as adhere to Reedley College campus policies and academic regulations; The instructor reserves the right to communicate only with the enrolled student regarding matters concerning the student or the class.
- Students engaging in any behavior the instructor deems disruptive may be asked to leave for the remainder of that class session. Teacher reserves the right to assign seats. Food and/or drink (except bottled water) are not allowed in class.
- Students must act and communicate professionally in class and online.
- This class has an electronic device use policy:
  1) The use of electronic devices in the classroom is strictly prohibited. Electronic devices include, but are not limited to cell-phones, pagers, recording devices, CD/DVD/MP3 players. Such devices must be non-operational, turned off, silenced, and put away before entering class. Approved calculators (not cellphones), and documented/required medical devices are allowed. Headphones are not allowed.
  2) Cell phones are strictly prohibited in class at any time. They need to be silent, out of reach, and out of sight. Students are not allowed to place their cell phones on the desks or in plain view at any time during class, even if set to "silent" or "off". Texting in class is prohibited. Students should not leave the classroom to use their phones in the middle of a class period. Cell phones are NOT to be used as calculators. Students using a cell phone during a test are considered to be cheating.
  3) Students need to make the instructor aware of any electronic device in use, otherwise they are in violation.
- The best and most immediate way to communicate is face to face, in class or in the office during office hours or by apt. If communicating by email, allow 1 to 2 business days for an online or a face-to-face response. Please note that emailing or calling regarding a tardy or an absence does NOT get the tardy or the absence excused.
- Students must act and communicate professionally in class and online.

- **Grading Policy:**

Students are graded in <u>four major categories</u> according to the following:

        Classwork grades constitute **5%** of the student overall grade**.**

        Homework grades constitute **15%** of the student's overall grade.

        Chapter exams grades constitute **70%** of the student's overall grade.

        Final Exam grade constitutes **10%** of the student's overall grade.

- **Classwork:** Classwork is work assigned and done in class. It may include participation, quizzes, pop-quizzes, note taking, or any other work required to be completed while class is in session. Quizzes need to be submitted on 4 by 6 lined index cards. Work must be turned in on time upon request. Late classwork will not be accepted for any reason. No make-ups or retakes are allowed. Student who are tardy or absent will receive a 0% on the missed work. Students are expected to print outline of the lectures from the BlackBoard site and bring them to class on time to take notes. Completed notes must be kept in order in a binder. To allow for emergencies, the lowest classwork score will be dropped.

- **Homework:** Homework is assigned on regular basis. Homework will not be accepted late for any reason. Homework is normally collected at the beginning of the class period. In other words, students who are tardy or absent will receive a 0% on their homework if the homework has been collected before they arrive. Written problems and exercises must be worked out step-by-step, thoroughly, completely and neatly, otherwise the work will not receive full credit. Homework must be submitted on engineering graph paper- stapled. Graphs are very important in calculus, so they need to be drawn, labeled, titled, and scaled accurately and neatly using a ruler. The lowest homework score will be dropped to account for emergencies.

- **Chapter Exams**: four or five chapter exams will be administered throughout the semester. Exam questions must be answered step-by-step, thoroughly, completely, and neatly. No make-up exam will be given for any reason, for any of the chapter exams. Students who are not present at the exam time will receive a score of ZERO** on that exam. Students are not allowed to leave and return to an exam once started. To allow for emergencies, the lowest chapter exam score may be replaced by the final exam score. The Chapter Exams grades constitute 70% of the overall grade. ** **Note carefully**: Exam dates will be announced in advance. If a student has a known **unavoidable business** on the exam date, he/she will be given the chance to take the test early **(before the scheduled exam date/time)** *if and only if* the student makes the appropriate arrangements with the instructor in advance. Students are not allowed to take exams after the scheduled date or time for any reason.

- **The Final exam** is a mandatory comprehensive final - it might contain any of the material covered from the entire semester. Students are not allowed to leave and return to an exam once started. The Final exam score is worth 10% of the overall grade. The final exam score may be used to replace the lowest chapter exam score.
  The Final will be administered on Wednesday, May 16 in FEM4 from 9:00am to 10:50am.

Grading formula and grades:
- Strong math and algebra skills, as well as excellent study habits, are required to be successful in Math 5A.
- It is the student's responsibility to put in the effort it takes to get the desired grade.
- A student struggling to get a desired grade must get tutoring. Tutoring is available for free at Reedley College.
- The average score within each category may be calculated by adding the earned scores, then dividing them by the sum of the possible scores. The following formula is used to determine the overall grade: Student's overall grade = (Classwork average)(0.05) (Homework average)(0.15) + (Exam average)(0.70) + (Final Grade)(0.10)
- If students need further clarification regarding grades, they are welcome to consult the instructor.

Plagiarism: Reedley College rules on plagiarism will be enforced. Students cheating and students allowing others to cheat off of their assignment will receive a 0% on that assignment (whether it is an exam, a final exam, or any other assignment).

Grading Scale:

Grade		Percent
A	=	90% - 100%
B	=	80% - 89%
C	=	70% - 79%
D	=	60% - 69%
F	=	Below 60%

▶ **More tips for Success**:
- *Do not expect a good grade for average, mediocre, or poor work.*
- Turn in well thought-out assignments on time with all the work shown step-by-step;
- Put in the maximum effort daily in every aspect of your work;
- Come to class prepared and on time;
- Attend regularly; do not miss class
- **Do not procrastinate.**
- **Do not make excuses.**
- Ask fellow students, and tutors for help;
- Attend MATH CENTER OR the tutorial center for help and tutoring; (Do not wait until you start failing to do so!!)
- Approach the instructor with questions.
- Do not wait until you are failing or you are completely lost to ask questions.
- Form a study group.
- Read the book before attending class.

▶ **Accommodations for students with disabilities:**
- ➢ If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic test, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible. Any special arrangements need to be done in advance and in writing.

▶ **Important Dates: Spring 2012**
January 9 (M) Spring 2012 instruction begins
January 16 (M) Martin Luther King, Jr. Day observed (no classes held, campus closed)
January 20 (F) Last day to drop a full-term class for a refund for Spring 2012
January 27 (F) Last day to drop a full-term class to avoid a "W" for Spring 2012
February 10 (F) Last day to change a class to/from a Pass/No-Pass grading basis
February 17 (F) Lincoln Day observed (no classes held, campus closed)
February 20 (M) Washington Day observed (no classes held, campus closed)
March 9 (F) Last day to drop a full-term class (letter grades assigned after this date)
April 2-6 (M-Th) Spring Recess (no classes, campus open, classes reconvene April 9)
April 7 (F) Good Friday (no classes, campus closed)
May 16 (W): **The Final exam will be administered in FEM4, at 9am to 10:50am.**
May 18 (F) End of spring semester/commencement

It is the student's responsibility to check course schedule and catalog for other important dates.

Course Description:
As stated in the Reedley College course outline, Math 5A is an Introduction to calculus, analytic geometry, differentiation and integration of polynomial, exponential, logarithmic and trigonometric functions; limits; curve sketching and applications.

Course Objectives:
- 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. differentiate polynomial, trigonometric, rational, exponential, and logarithmic functions.
- E. solve related rates and extrema problems using the derivative.
- F. perform calculations using the Fundamental Theorem of Calculus.
- G. perform indefinite and definite integration including the use of substitution.

It is the student's responsibility to put forward the time, effort, and ability needed to master these course objectives upon completion of this course. The lower the student's math ability, the higher will be the student's effort and time needed to master the objectives.

▶ *The instructor reserves the right to make minor changes to this syllabus.*