Math 5B, Math Analysis II (Calculus), Section # 55132

Instructor: Ms. Lina Obeid   **Class Time:** M/W; 9:00 am to 10:50 am   **Class Location:** FEM 4
Office: FEM 4A **Phone:** 638-0300, ext. 3184   **E-Mail:** lina.obeid@reedleycollege.edu
Office Hours: T/TH: 11am to 1pm; **Virtual office hour**: F at 9am
Advisories: Check with your counselor.   **Prerequisites:** Check with your counselor.

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Welcome to Math 5B!

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Required Texts & Materials:
-    REQUIRED: Anton, Bivens, Davis. (2016). *Calculus: Early Transcendentals Single Variable*, 11th Edition. New Jersey: Wiley.
-    The Student Solutions' Manual is highly recommended.
-    **Engineering graph paper for homework (required)**, binder for notes, yellow highlighter, 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 quizzes or exams. This class requires students to access and/or print materials from Canvas in a timely manner.

Attendance and Tardy Policy:
Please make your education a priority. To succeed and to help us help you, please attend and work on daily basis.
- 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, or capacity.
- 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. Emailing or calling does not excuse an absence. **Late work is not accepted**.
- 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 two partially missed lectures (such as leaving early) count as an absence.
- **Classwork and/or Participation:** Students are expected to print outline of the lectures from Canvas site and bring them to class on time to take notes. Completed notes must be kept in order in a binder to be turned in upon request.   Homework need to be ready to be viewed or used at the beginning of class; students who are absent will receive a 0% on classwork/participation, and students who are tardy will receive a reduced grade.
- 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 free math/tutorial center available at Reedley College if they need help understanding the missed material. Emailing does NOT excuse an absence.
- Participation and classwork are part of the grade, so attendance is mandatory. A student <u>*may* be dropped</u> by the instructor after 10 absences (not necessarily consecutive class periods). 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:
To foster a good and safe classroom environment, it is important students that adhere to class and college policies.
- 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. By enrolling in this class, the student agrees to the rules, procedures, guidelines, and policies described in this syllabus. The instructor reserves the right to communicate only with the enrolled student regarding matters concerning the student or the class.
- Students not following directions or engaging in any behavior the instructor deems disruptive may be asked to leave or may be removed for the remainder of that class session. Food or drink (except bottled water) is **not** allowed in the classroom.
- Teacher reserves the right to assign seats.
- 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 including, but not limited to cell-phones, recording devices, and any other electronic or digital equipment are prohibited in the classroom at anytime. Such devices must be non-operational, turned off, silenced, and put away before entering the classroom. Students are prohibited from using or operating a recording device at any time in this classroom. Headphones are not allowed. Approved calculators (not cell phones), and documented/required medical devices are allowed. Disabled students must make arrangements with the teacher ahead of time for the approved use of a device.

2) The use of cell phones in the classroom is prohibited at anytime and is considered disruptive behavior. Phones need to be silent, out of reach, and out of sight. Students are <u>not</u> allowed to use their cell phones or iwatches, place their cell phones on the desks or within reach at any time during class, even if set to "silent" or "off". Texting in class is prohibited. Cell phones are NOT to be used as calculators. Students using a cell phone during an exam are considered to be cheating and will get an automatic 0% with no chance of dropping the score.

3) Students must make the instructor aware of any electronic device they are using or operating in class, otherwise they are in violation of the policies of this class.

- The best and most immediate way to communicate with the instructor is face to face, during office hours, or by appointment. If communicating by email, allow over 1 business day for a response. Please note that emailing or calling regarding a tardy or an absence does NOT get the tardy or the absence excused.

Grading Policy:
Students are graded in <u>two major categories</u> according to the following:

      Participation grades constitute **20%** of the student's overall grade.
      Chapter exams and the Final exam grades constitute **80%** of the student's overall grade.

- **Participation:** This category includes any work needed to be done to succeed in the class such as quizzes, homework checks, taking notes, group work, participation, and any other in class or at home assignment.
  Homework and attendance is assigned on regular basis and is essential to succeed. Late work is not accepted for any reason. In class (unscheduled or announced) quizzes may be given to check homework progress. Solutions, problems and exercises on any assignment must be neatly and thoroughly worked out step-by-step to provide students with the best opportunity to learn and improve in a math class. Final answers must be highlighted or boxed. Homework is best done on engineering paper. Graphs are very important in calculus, so they need to be drawn, labeled, titled, and scaled accurately and neatly using a ruler.
- **Chapter Exams**: Four chapter exams will be administered throughout the semester. Chapter exams are weighted equally. Students are not allowed to leave and return to an exam once started. Exam questions must be answered step-by-step, thoroughly, completely, and neatly to receive full credit. Final answers must be highlighted or boxed. Graphs are very important in calculus, so they need to be drawn, labeled, titled, and scaled accurately and neatly using a ruler to receive full credit.
  Students who are not present will receive a score of zero on that chapter exam regardless of why they were absent. No make-up or retake exam will be given.
  In case a student has a known unavoidable business on the scheduled exam date or time, he/she will be given the chance to take the chapter exam early (before the scheduled date/time) *if and only if* the student makes the appropriate arrangements with the instructor ahead of time (with at least a two business days advance notice). ***Students are <u>not</u> allowed to take the exam after the scheduled time for any reason.***
  Personal or professional issues will not be accepted as excuses to retake, make-up, or get extension on any exam.   **To account for unexpected emergencies, the final exam's score may be used to replace the lowest chapter exam score**.
  Final exam: The final exam is a mandatory comprehensive final - it might contain any of the material covered from the entire semester. The final exam weighs as a regular exam. Students are not allowed to leave and return to an exam once started. The final exam score may be used to replace the lowest chapter exam score, but a chapter exam score cannot be used to replace the final exam score.   The final exam score will not be dropped or replaced. Students who miss the final exam will receive a 0% on their final exam. **The Final exam is on Monday, December 9 at 9:00 am - 10:50 am in the classroom.**

Grading formula and grades:
Your success is very important, so please spend the time and effort needed to do well.
- 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 = (Participation average)(0.20) + (Chapter Exams and Final exam average)(0.80)
- 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: A = 90% - 100%   B = 80% - 89%   C = 70% - 79%   D = 60% - 69%   F = Below 60%

What can you do to improve your grade and your learning outcome?
- Avoid procrastinating.
- Turn in well thought-out assignments on time with the completed work shown step-by-step;
- Work 2 hours a day on average. 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 wait until you are failing or you are completely lost to ask questions.
- Work with others is good for you, so join a study group. Ask fellow students, and tutors for help.
- Attend MATH CENTER (in FEM1) OR the TUTORIAL CENTER (in the Library) for help and tutoring; (Do not wait until you start failing to do so!!)
- Ask questions in class.
- Read the book before attending class.
- Remember that: A means the student's work is excellent. B means the work is good. C means the work is fair. D means the work is poor. F means the work is failing.

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 the teacher as soon as possible.
- It is the student's responsibility to schedule their appointments (for tests, finals, etc.) with the DSPS office as soon as soon as they are announced in class. **Any special arrangements need to be done in advance and in writing.**

Important Dates at Reedley College:

OTHER IMPORTANT DATES AT REEDLEY COLLEGE:
- August 12 (M) Start of Fall 2019 semester
- August 23 (F) Last day to drop a Fall 2019 full-term class for full refund
- August 30 (F) Last day to register for a Fall 2019 full-term class in person
- August 30 (F) Last day to drop a Fall 2019 full-term class to avoid a "W" in person
- September 2 (M) Last day to drop a Fall 2019 full-term class to avoid a "W" on WebAdvisor
- **September 2 (M) Labor Day Holiday (no classes held, campus closed)**
- September 20 (F) Last day to change a Fall 2019 class to/from Pass/No-Pass grading basis
- October 11 (F) Last Day to drop a full-term class (letter grades assigned after this date)
- **November 11 (M) Veterans Day observed (no classes held, campus open)**
- **November 28-29 (Th-F) Thanksgiving holiday (no classes held, campus closed)**
- December 9-13 (M-F) Fall 2019 final exams week
- December 13 (F) End of Fall 2019 semester
- **FINAL EXAM: Monday, December 9 at 9:00 am - 10:50 am in the classroom**

It is the student's responsibility to ask *the Admissions and Records office or check course schedule for any other dates that pertain to financial aid or drop deadlines of any kind.*

Course Description:
As stated in the Reedley College course outline, Math 5B
investigates the applications of integration, many techniques of integration, improper integrals, parametric equations, polar coordinates and functions. Further study involves conic sections, exponential growth/decay models, infinite series including Maclaurin and Taylor Series.

Course Objectives:
1. Evaluate definite and indefinite integrals using a variety of integration formulas and techniques;
2. Apply integration to areas and volumes, and other applications such as work or length of a curve;
3. Evaluate improper integrals;
4. Apply convergence tests to sequences and series;
5. Represent functions as power series; and
6. Graph, differentiate and integrate functions in polar and parametric form.

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.*