

Math 370: Intermediate Calculus

Line# 25859

TTh 3:00 pm – 4:15 pm at WXMLR 308

Instructor: Dr. Roh, Kyeong Hah

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Class Website: Course Blackboard in MyASU

Office Hours: Mondays 4:30 – 5:20 pm & Wednesdays 10:00 – 10:50 am at WXMLR 737

Prerequisite: MAT 272 & MAT 300 (or 243).**Textbook:** No textbook is required. Class note will be provided from the course blackboard.

Course Description: Mat 370 is designed to bridge the gap between the intuitive calculus (MAT 270s) and the sophisticated analysis course the student encounters at the senior level (MAT 472). It is designed for students with develops (1) conceptual understanding of the major ideas of calculus, (2) technical facility with its techniques and theorems, and (3) the ability to use these techniques and theorems to prove and/or solve a variety of standard and nonstandard problems. Students will be expected to learn the proof of important theorems and to be able to construct proofs of important propositions in calculus.

Evaluation:

Weekly Assignments: 25%

Midterm (Tuesday, March 3 in class): 35%

Final (Tuesday May 5, 2:30 – 4:20): 40%

Various Extra-Credit: up to 3%

(Dates for Exams and Final schedule are NOT subject to change and will be strictly followed.)

Grading Scale:

A+ (95 – 100 %); A (90 – 94 %); A- (85 – 89 %);

B+ (80 – 84 %); B (74 – 79); B- (70 – 73);

C+ (65 – 69); C (60 – 64)

D (50 – 59); E (less than 50)

Special Notes**Exams**

The material for each exam will be announced in advance.

All exam schedules in this syllabus will be strictly followed. That is, examinations may NOT be given at any time prior/subsequent to the scheduled time. It is the policy of the Department of Mathematics and Statistics that make-up exams for finals will only be given for the following reasons:

- Religious conflict (e.g. Students celebrates the Sabbath on Saturday);
- The student has more than three exams scheduled on the day that includes the math final.
- There is a time conflict between a student's math final and another final exam.
- There is a last minute personal or medical emergency.

The department reserves the right to *request written documentation* to substantiate any claim of hardship. In case (4), the student generally is given a mark of Incomplete provided that he or she has a passing grade going into the final exam and is able to take the final examination during the following semester. *Make-up exam will NOT be given for reasons of non-refundable airline tickets, vacation plans, work schedules, weddings, family reunions, and other such activities.* Students should consult the final exam schedule before making plans for the end of the semester.

Exams will focus on testing conceptual understanding and rigorous proofs. Several of these problems will ask you to explain your reasoning by using mathematical terms and expressions or appropriate logic. These will be scored by the instructor with significant attention on the big ideas rather than procedures. A correct numerical answer may receive no credit if it is not supported by appropriate reasoning. Conversely, an incorrect answer can still receive partial credit if the reasoning is strong and the error was a computational oversight.

Assignments (25%)

Assignments will be posted on the course Canvas almost every week.

Assignment #	Due Date	Assignment #	Due Date
1 (100 pts)	January 28 (Tuesday)	Extra (100 pts)	March 17 (Tuesday)
2 (100 pts)	February 4 (Tuesday)	6 (100 pts)	March 24 (Tuesday)
3 (100 pts)	February 11 (Tuesday)	7 (100 pts)	March 31 (Tuesday)
4 (100 pts)	February 18 (Tuesday)	8 (100 pts)	April 7 (Tuesday)
5 (100 pts)	February 25 (Tuesday)	9 (100 pts)	April 14 (Tuesday)
Spring Break (March 8 – 15)		10 (100 pts)	April 21 (Tuesday)

- Staple your assignments.
- Write name, Assignment #, and page # on the right top corner of the first page.
- Only selected problems will be graded with detailed comments by the course grader.
- *Students need to submit their assignments at the beginning of class (3:00 pm) on the due date.*
- **Late submission rules:** Late submission of weekly assignments will be accepted **no more than 2** assignments. For each of the two late submissions the following rule will be applied: 90% any time after 3 pm (e.g. 3:01 pm) on the due day; 0% afterwards.
- If you are late in submitting your homework, go to Wexler Hall 216 no later than 5 pm on the due day, and ask to a person at the front desk for a stamp with the submission date & time on the first page of your homework. Then your homework will be delivered to Dr. Roh's mailbox in Wexler Hall 216.

- The solution key to each assignment will be posted on Blackboard by Monday after the due day of the assignment. It is highly recommended for the students to review the solution keys to the previous assignments before submitting the upcoming assignment.
- Make-up or late submission of assignments will be given only for the last-minute medical emergency. Your instructor will request written documentation to substantiate your medical emergency.
- Extra Credits (5% maximum) There will be several chances to get additional extra credit besides the extra-credit assignment. More detailed information will be announced in advance.

COURSE/INSTRUCTOR EVALUATION

The course/instructor evaluation for this course will be conducted online 7-10 days before the last official day of classes of each semester or summer session. Response(s) to the course/instructor are anonymous and will not be returned to your instructor until after grades have been submitted. The use of a course/instructor evaluation is an important process that allows our college to (1) help faculty improve their instruction, (2) help administrators evaluate instructional quality, (3) ensure high standards of teaching, and (4) ultimately improve instruction and student learning over time. Completion of the evaluation is not required for you to pass this class and will not affect your grade, but your cooperation and participation in this process is critical. About two weeks before the class finishes, watch for an e-mail with "ASU Course/Instructor Evaluation" in the subject heading. The email will be sent to your official ASU e-mail address, so make sure ASU has your current email address on file. You can check this online at the following URL: <http://www.asu.edu/epouupdate/>.

UNIVERSITY AND COLLEGE POLICIES

Drops for Non-Attendance: The instructor may drop a student from this course if the student appears on the class grade roster and *does not attend the first two classes of the semester*. See

<http://www.asu.edu/aad/manuals/ssm/ssm201-02.html> for more information about the university policy.

Incomplete Policy: For information, see <http://www.asu.edu/aad/manuals/ssm/ssm203-09.html>.

Withdrawal

You may withdraw from a course with a grade of W during the withdrawal period. The instructor's signature is not required. It is the student's responsibility to verify that he or she has officially withdrawn from the class.

Honor Policy

The highest standards of academic integrity are expected of all students. The failure of any student to meet these standards may result in suspension or expulsion from the University or other sanctions as specified in the University Student Academic Integrity Policy. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism, or facilitating such activities. See the following website for more details: http://www.asu.edu/studentaffairs/studentlife/judicial/academic_integrity.htm

Academic Honesty

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records.

The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal.

Discussing solutions to homework problems with others is strongly encouraged, but submitting work as your own which is copied or paraphrased from someone else is not permitted. If you are doing things right, your written work will sometimes contain an idea from another source (person, book, other). When this happens, make sure that you have reflected on the idea so that you understand it for yourself. Then write the idea in your own words and give your source due credit. Less than this will be considered cheating. **The policy for such cases is 0% for the specific work.** For instance,

- *Photo-copied homework will count 0%. Also, the original homework will count 50%.*
- *Hand-written copied homework will count 0%. Also, the original homework will count 0%. A copied or paraphrased homework from someone **else**' work will all count 0% regardless which one is original.*
- *Using references for homework is allowed. However, the exact copy from any book or any published document by books, websites, or any other sources will count 0%.*
- There should be other regulations as well.

For more information, see <http://provost.asu.edu/academicintegrity>.

Copyrighted materials

Students must refrain from uploading to any course shell (including board-work), discussion board, or website used by the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws. **The course instructor reserves the right to delete materials on the grounds of suspected copyright infringement.**

Taking photos of the instructor's board-work in class are NOT accepted without the instructor's permission.

Academic Resources: You may find the following websites helpful:

- Educational Outreach and Student Services: <https://eoss.asu.edu/dos>
- Tutoring service: [https://tutoring.asu.edu/tutor-search-result?field_tax_course_tid\[\]=364](https://tutoring.asu.edu/tutor-search-result?field_tax_course_tid[]=364)

Students with Disabilities

Disability Accommodations: Qualified students with disabilities who will require disability accommodations in this class are encouraged to make their requests to me at the beginning of the semester either during office hours or by appointment. Note: Prior to receiving disability accommodations, verification of eligibility from the Disability Resource Center (DRC) is required. Disability information is confidential.

Establishing Eligibility for Disability Accommodations

Students who feel they will need disability accommodations in this class but have not registered with the Disability Resource Center (DRC) should contact DRC immediately. Their office is located on the first floor of the Matthews Center Building. DRC staff can also be reached at: 480-965-1234 (V), 480-965-9000 (TTY). For additional information, visit: www.asu.edu/studentaffairs/ed/drc. Their hours are 8:00 AM to 5:00 PM, Monday through Friday.

Policy on Threatening Behavior

All incidents and allegations of violent or threatening conduct by an ASU student (whether on-or off campus) must be reported to the ASU Police Department (ASU PD) and the Office of the Dean of Students. If either office determines that the behavior poses or has posed a serious threat to personal safety or to the welfare of the campus, the student will not be permitted to return to campus or reside in any ASU residence hall until an appropriate threat assessment has been completed and, if necessary, conditions for return are imposed. ASU PD, the Office of the Dean of Students, and other appropriate offices will coordinate the assessment in light of the relevant circumstances.

Classroom behavior:

- Make sure you arrive on time for class
- No food will be allowed on tables in the classroom.
- Cell phones should be turned off in class.

Excessive tardiness will be subject to sanctions. **Under no circumstances should you allow your cell phone to ring during class.** Any disruptive behavior, which includes ringing cell phones, listening to your mp3/iPod player, text messaging, constant talking, eating food noisily, reading a newspaper will not be tolerated. The use of laptops (unless for lecture note taking), cell phones, MP3, IPOD, etc are strictly prohibited during class. Students who engage in disruptive classroom behavior may be subject to various sanctions. The procedures for initiating a disruptive behavior withdrawal can be found at <https://clas.asu.edu/resources/disruptive-behavior>.

Absences related to religious observances/practices: If you will be absent from class due to a religious observance or practice, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative and reasonable arrangements for any time missed.

Absences related to university sanctioned events and activities: If you will be absent from class due to participation in a university sanctioned event/activity, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative and reasonable arrangements for any time missed.

The School of Mathematical and Statistical Sciences encourages faculty to address and refer to students by their preferred name and gender pronoun. If your preferred name is different than what appears on the class roster, or you would like to be addressed using a specific pronoun, please let your instructor know.