

Math Analysis

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My Schedule								
7:45-8:15	1	2	3	4	5	6	7	2:30-3:30
By Appointment	Open	PreCalculus Room 218	Resource Room 103	Math Analysis Room 219	Open	PreCalculus Acc Room 219	PreCalculus Acc Room 219	By Appointment

Required Text: *Math Analysis, K. Quattrin 2012 (Digital Text)*

Seeing Through Statistics, 3rd edition, J. Utts

Course Description: This course is designed to give each student an introduction to Trigonometry using the foundations laid in Algebra 2. The first semester topics include the trigonometric and circular functions and their applications, identities, oblique triangles, vectors (in two dimensions) in rectangular and polar form and a brief exploration of limits, continuity and basic derivatives. The second semester is devoted mainly to key foundational concepts of Statistics.

Screencasts

Screencasts are designed to introduce topics outside of class in order to allow more efficient use of class time. Screencast solutions are designed to walk you through the problem solving process on specific problems in order to help you further develop your own problem solving skills.

Class Expectations

Pay attention to your learning. The grade will take care of itself.

- If you don't know or remember something, look it up (except on an assessment of course). Use the resources you have such as iPads, books, notes, classmates, etc.
- Be cooperative with not only the teacher but with each other. A positive learning environment depends upon everyone. This means respect each other's feelings, physical space, and property.
- When working in groups, maintain your "table voices".
- The question "Will this be on the test?" will only be answered during the last five minutes of any class period.

- **Bring to class everyday:**
 1. Your iPad since the text is digital. It is recommended though not required that you do your written work on your iPad. It will also help if you keep a pair of ear buds handy as well.
 2. Paper and pencil (you never know if you're going to need them even if you prefer to do your writing on your iPad)
 3. Your graphing calculator (TI 83 or higher)
 4. Desmos app for the iPad is recommended. While you can use the web version this app is free and runs more quickly.
 5. A measuring straight edge (ruler or protractor)

- Warm ups: Be ready to do a warm up problem every day. Warm up problems will be given to you as class begins

- Cell phones: Cell phones that are out in class will be confiscated for the duration of the school day. Chronic offenses on this policy will be referred to the Dean's Office.

- iPad Usage: Non-academic use of iPads is not allowed during class. On first offense, the iPad will be confiscated for the duration of the period. Repeated offenses on this policy will be referred to the Dean's Office.

- Absences: It is your responsibility to find out the assignments and tests missed while absent. Weekly assignments will be posted on the homework site. See me in the event of any long-term absence.

- Retreats: You will be given a reasonable amount of time, usually a week, to complete all homework assignments and assessments. It is your responsibility to inform me of this absence prior to the retreat. Consult with classmates or the homework site for assignments and tests. In such cases an individual due date for make-up assessments will be posted on PowerSchool.

Grading Policy

Standards Based Grading

Students will be graded by assessment of skills (or Standards) specific to each section covered in the text. While the cumulative grade in the class is the quantitative average of each assessment, the midterm, and final exam scores, the assessment of each standard is by rubric and is not point based. This is meant to measure student proficiency throughout the semester in a way that allows the student improvement to be reflected in their grade. Midterm and Final Exams will also be standards based and scored on student performance on the standards covered on the exam. The rubric is as follows:

- 10 - Student has shown mastery of this skill (note: work must be without mistakes of any kind in order to receive this grade)
- 9.5 - Student has shown mastery of this skill but work contains minor arithmetic mistakes
- 9 - Student has shown strong understanding of this standard
- 8 - Student has shown proficiency having taken correctly worked significant steps toward a solution to the problem
- 7 - Student has shown base level competency with incomplete or incorrect solutions showing significant gaps in understanding
- 6 - Student has not shown competence with incomplete or incorrect solutions requiring review of fundamental concepts, demonstrating some recognition of concepts or procedures
- 5 - Student has demonstrated no understanding of the concepts associated with the standard

Assessments & Homework

- Missed assessments must be made up within two weeks or they will become a 5/10 at which point they will count as part of the weekly reassessment limit (see below).
- Students are expected to complete homework assignments as preparation for assessment of the standard(s) being covered.
- Homework must be completed in order for that assessment to count towards their final grade. If a student does not complete the assignment by the time of the assessment the student will receive a default grade of 5/10 until the homework is submitted. If the student receives a 10/10 on the assessment, he/she is exempt from the homework for that standard only. Students may submit the homework via email as either an image file or pdf or through a shared folder.
- Some assessments may contain one or more “surprise” standards. These are past standards that could be reassessed with or without warning on a quiz.
- Students may reassess any standard by appointment only. It is recommended that you also review the standard(s) to be reassessed with me first. The appointment must be made using this form.
- Reassessments are limited to three per week. This includes missed assessments that are not made up on time.
- No reassessments will be given during the week before the first school final exam.

%	Grade
100-93	A
92-90	A-
89-87	B+
86-83	B
82-80	B-
79-78	C+
77-68	C
67-65	C-
64-60	D+
61-58	D
57-55	D-
54-0	F

Final Grade	
1. Standards Assessments	80%
2. Midterm Exam	10%
3. Final Exam	10%