

Instructor: Janina Letz

Office: JWB 212

Email: letz@math.utah.edu

Office Hours: Wednesday, August 22, 4pm-6pm in JWB 212 or by appointment

Course Information: MATH 13, Bridge to Engineering Calculus II is a four evening course

Class Time and Place: 6:30pm-8:30pm Monday, Tuesday, Wednesday, Thursday, August 20-23 in BEH S 108

Textbook: Calculus: Concepts and Contexts 4th Edition, by James Stewart (ISBN-13: 978-0-495-55742-5)

Course Overview: This course will cover material required for entry to Engineering MATH 1320 that is not covered in MATH 1210. This four-evening course constitutes an accelerated and intensive coverage of function transformations; inverse functions; exponential, inverse trigonometric, logarithm functions and their respective derivatives; parametric curves; approximation methods; L'Hopital's rule; integration-by-parts, trigonometric integrals.

Class meeting schedule:

Day 1: 1.5, 1.6, 5.6 – Exponential Function, Logarithms, Inverse Functions, Integration by parts

1st hour: Lecture

2nd hour: Group work

Day 2: 1.3, 1.7, 3.6, 5.7 – Function transformations, Parametric Curves, Inverse Trig Functions, Partial fractions, Trigonometric integrals

1st hour: Lecture

2nd hour: Group work followed by a quiz

Day 3: 4.5 – L'Hopital's rule

1st hour: Lecture

2nd hour: Group work followed by a quiz

Day 4: Exam review and final exam

1st hour: Group work review

2nd hour: Final exam

Grading: The grades of homework, exams, and finals will weight as follow in your overall average.

Homework	20%
Quizzes	30%
Final	50%

The instructor reserves the right to change the grading scheme during the course of the semester. Students will be notified of any adjustments.

Homework: There will be homework due Tuesday, Wednesday, Thursday at the beginning of class. This homework will cover roughly three textbook sections consisting of roughly two problems each section. They will be graded for correctness. Homework will only be accepted in class, so no electronic copies or late homeworks.

Quizzes: At the end of class on Tuesday and Wednesday a quiz will be given with a similar form and format as the in-class group work.

Final exam: A one-hour comprehensive exam will be given at the end of the Thursday class based on similar questions as given in the preceding day's quizzes.

If a curving is necessary, everything will be shifted down by a few points. Final course letters will be determined as follows:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-
100-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-63	62-60

The instructor retains the right to modify this grading scheme during the course of the semester; students will, of course, be well notified of any adjustments.

Canvas: Canvas will be used for posting course announcements, homework assignments, grades, files and any relevant supplementary material. You are also welcome to make use of the Canvas discussion board to discuss course problems or topics. You can access the Canvas page through CIS or by logging in at utah.instructure.com. Students should check the Canvas page regularly for course information and resources. Email notifications and correspondence will be sent to the student's UMail address ([u-number]@utah.edu); this email account must be checked regularly.

Calculators: Calculators will not be allowed on exams or quizzes. They may be used on homework, but you should still write out the details of your computation. It is in your best interest not to become too dependent on your calculator.

ADA: The American Disability Act requires that reasonable accommodations be provided for students with cognitive, systemic, learning and psychiatric disabilities. Please contact me at the beginning of the quarter to discuss any such accommodations you may require for this course.

Student Responsibilities: All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from and class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. <http://regulations.utah.edu/academics/6-400.php>

Additional Policies: I reserve the right to change my policies stated in this syllabus at any point in the semester. If I do make a change to a policy, I will announce it in class and put an announcement on Canvas.