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**Instructor:** Helge Krüger                      **Time:** MWF 9:00-9:50AM  
**Office:** 14 Herman Brown                      **Classroom:** TBA  
**Email:** hk7@rice.edu                      **Office Hours:** TBA  
**Phone:** x4598  
**Owlspace:** <https://owlspace-ccm.rice.edu/portal>

**Recitations:** For help with homework and course material.

**Time:** TBA                                      **Classroom:** TBA

**TAs:** –                                      **Email:**  
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**Text:** Edwards & Penney: *Calculus: Early Transcendentals, 7th ed.*

**Course Overview:** Math 101 introduces the concepts of differentiation and integration and is the main first-semester Calculus course at Rice. This course includes techniques for finding slopes, tangent lines, maximum and minimum points, areas, and volumes. We will also review trigonometric functions, logarithms, and exponential functions.

Math 101 is intended for students who have had no prior experience with Calculus. Students who have already learned about derivatives and elementary integrals are encouraged to skip to Math 102 (second-semester Calculus). Students who have completed a high school AP or Honors Calculus class should consider going directly to a 200-level Math course (e.g., Math 211, 212, 221, or 222).

**Homework:** Homework will be due each class day at the end of class and returned as promptly as possible. It will not be pledged, so feel free to work together on homework. However, you must write up your own solutions and they should reflect your own understanding. Assignments will be posted on our Owlspace website.

<p><b>Late homework assignments will not be accepted for any reason – instead, your lowest three scores will be dropped.</b></p>
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Homework will be graded for correctness, clarity, and justification. For a problem to receive full credit, you must

- Briefly, state the problem,
- Explain each step as necessary,
- Present the entire solution in a clean and clear format that is easy to follow.

Imagine that a fellow student will be reading your homework to study for an exam. If your work is not detailed enough to be useful, it is unlikely to earn much credit when graded. Another student reading your assignment should be able to guess at the question you are trying to answer without referring to the textbook.

**Exams:** There will be two midterm tests during the semester. The first midterm will be October 2 and the second on November 11

**Final exam:** There is also a final exam. The dates for the final are not available till later in the semester. It is a department rule not to allow students to take final exams early, so do not make Christmas travel plans that might conflict.

You will be responsible for any material we cover in class. Books, notes, and calculators will not be allowed on exams. Make-up exams will be allowed only in the case of a documented medical emergency. If an exam conflicts with a holiday you observe, please let me know before the end of the first week of classes.

**Grades:** Your homework will count as 15% of your final grade. Your three lowest homework scores will be dropped. The two tests will each count as 25% of your grade and the final exam counts 35%.

**Attendance:** I expect you to attend every class and to arrive on time. It is your responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes. I will do my best to post announcements in a timely manner on Owlspace. However, you are still responsible for all class announcements, not just those that get posted to the web site.

**Success:** The most successful students tend to:

- Attend every class,
- Read the book and review their notes daily,
- Work on all the homework as it is assigned,
- Seek help as soon as they encounter trouble.

I encourage you to utilize your classmates, recitation sessions and office hours whenever you are having trouble understanding the course material. Get your questions answered as they arise – waiting until you have many questions (or until an exam is looming!) will make help in any form less effective.

**Disability Support:** If you have a documented disability that will impact your work in this class, please contact me to discuss your needs. Additionally, you will need to register with the Disability Support Services Office in the Ley Student Center.