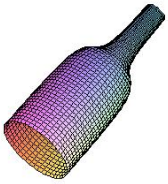
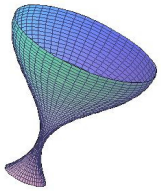


MATH 2163 INFORMATION
Sections 004 and 006



Instructor: David Wright, MSCS 527, 744-5775 or 744-5688,
Email: `wrightd@math.okstate.edu`
Online Classroom (D2L): `oc.okstate.edu` (Main location of class resources and grades)
WebAssign: `www.webassign.net` (For homework)
External website: `http://klein.math.okstate.edu/~wrightd/2163`

Office hours and help: MTWF 1:30–3:00 PM at MSCS 527. Please feel free to drop by or contact me to see if I am available at any time.

Text: *Calculus, Early Transcendentals*, 6th and OSU ed., by James Stewart.

Course objectives: To learn multivariable calculus, wherein we generalize notions from single-variable calculus to apply to functions of more than one variable. This includes analytic geometry in three dimensions and basic notions of vectors and vector calculus.

Prerequisites: Calculus 1 and 2, with a grade of C or better. Note that these total 7 hours of courses at O.S.U. and may include more material than is tested on the Calculus BC AP exam. Good knowledge of algebraic derivative and integral calculation is important.

EXAMINATIONS: Three in-class exams will be given on Wed. **Sept. 26**, Fri. **Oct. 26**, and Fri. **Nov. 30**. A comprehensive final exam will be given on **Monday, Dec. 10, 10:00–11:50 AM, for Section 004** and **Wednesday, Dec. 12, 8:00–9:50 AM, for Section 006**. Students with very serious conflicts must warn me well in advance (more than one week) of the exams, and we will work out some arrangement. Students should provide their own blank paper for scratch work and their answers. You are allowed to use a calculator no more powerful than a TI-89 graphing calculator, and no symbolic algebra or calculus programs. No palmtop or laptop PC's are allowed. You are required to show all steps in your solutions. No access to notes or books will be allowed during exams.

WebAssign: The majority of the homework must be completed in the online system WebAssign. There will be roughly two assignments per week, and you must devote regular effort to keep up. There will be opportunities to make up lost or missed work by completing more problems on later assignments, and so there will be no extensions to due dates.

You should immediately enroll at **www.webassign.net** using the class code

okstate 6123 3794

If you have not registered with WebAssign before, please give your full name and Campus Wide ID in the enrollment form.

It is strongly recommended that you use the **Notifications** service within WebAssign to send you an email 24 hours in advance of assignment due dates as a reminder. The deadline will usually be 9AM the day after you should complete the assignment.

Working problems in the textbook is also strongly recommended. Answers to the odd-numbered questions are in the back of the text, and should be read carefully. It is your responsibility to complete enough problems to be prepared for the exams. Please take note of problems you would like to discuss in class and be sure to press me to go over them.

Homework: Some written homework assignments will also be given and collected during the term. These will be a handful of problems on which you must practice writing all the steps out very clearly and neatly to receive any credit.

Grading: Examinations and homework are weighted according to the following system. Each in-class exam will be worth 100 points, and the final exam will be worth 200 points. Your WebAssign total score will be scaled to 100 course points. The course total is 600 points. Any credit earned on the written assignments up to a maximum of 50 points will be added to your course total. Students who achieve at least 540, 480, 420, and 360, respectively, are guaranteed to receive a grade of at least A, B, C, D, respectively. Depending on the score distribution, these cutoffs may be lowered. Some discretion may be used in deciding borderline cases, based on my subjective judgment of students' effort and performance.

Computer support: We will give some instruction on calculus on TI calculators, which may be useful on exams and homework, but are not required. However, it is very unwise to believe the calculator can compensate for lack of understanding of the logical concepts of calculus, and most people need to do quite a lot of hand calculation to gain that understanding.

MAPLE: Since we will be learning a great deal of 3D geometry, it can really help to have the aid of a powerful computer math system with strong 3D graphics. We will occasionally give examples using the computer mathematics system MAPLE. If your future plans involve technical programming, we recommend that you consider acquiring the student version of MAPLE. On the course website, you will find a link allowing you to purchase and download a student-discounted copy of MAPLE for your own personal use.

STANDARD OPERATING PROCEDURE: All students must complete a minimum of two hours of work per class outside attending lectures. This work is to consist of reading all sections of the book covered in class and performing all assigned homework problems and enough additional problems to make sure that you understand the material. Your outside class work is crucial to success.

Academic Dishonesty: Academic dishonesty or misconduct is neither condoned nor tolerated at OSU. Academic dishonesty is behavior in which deliberately fraudulent misrepresentation is employed in an attempt to gain undeserved intellectual credit, either for oneself or another. Academic misconduct is behavior that results in intellectual advantage obtained by violating specific directions, rules, or accepted academic standards, but without deliberate intent or use of fraudulent means.

Attendance Policy: Attendance of lectures is mandatory, but roll will not be taken every class. You are responsible for all material covered in class and all announcements. Check the course D2L site regularly for course news.

Disability: If you feel that you have a disability and need special accommodations to pursue the course, the instructor and the Office of Student Disability Services (315 Student Union) will work with you to ensure that you have a fair opportunity to complete this class. Please advise the instructor of such disability before the second class period of the second week of the term.