

Syllabus

This is the syllabus for the MATH 126 Calculus II class in Spring 2013.

- *Time & Place:* MWF 11:00AM-11:50AM - Waite Phillips Hall (WPH) B28.

1. Contact Information (Instructor):

- *Instructor:* Walter Rusin
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- *Office:* Kaprielian Hall (KAP) 416B
- *Office hours:* TBD

2. Contact Information (Teaching Assistant):

- *TA:* Amelia Stone
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- *Phone:* (213) 741-1444
- *Office:* Kaprielian Hall (KAP) 413
- *Office hours:* TBD

Please check Blackboard for announcements and updates.

To keep my mailbox organized and assure that all your messages get to me and will be read please **include the tag [126] in the subject line** of your email message, for instance

Subject: [126] What do I do if I hate math?.

3. Textbook: *Essential Calculus*, by James Stewart, Brooks Cole **2nd edition**. This book is available at the University Bookstore.



4. Overview: Inverse trigonometric functions, l'Hospitals rule, integration by parts, trigonometric substitution, partial fractions, applications of integration, sequences and infinite series, polar coordinates.

5. Prerequisites: To be successful in this class you have to have completed MATH 125 with a grade of at least C- and still remember all the material. Calculus is not shady accounting - "creative" math will not be rewarded.

6. Class: This is a standard Calculus II course. Mondays, Wednesdays and Fridays we will have a lecture on new material. Tuesdays and Thursdays are devoted to discussion sessions with your TA. Discussion sessions are meant to let you practice new material you have learnt during the lecture and/or ask questions on how to use the new tools.

7. Homework: Homework will be due on Fridays marked on the course calendar. Assignments consist of 10 problems and will be available a week before the due date. I will announce this on Blackboard and in class. You are responsible for downloading the assignment packets from Blackboard, printing them, and turning in solved problems on time. Homework is due at 11:50AM on Friday, a week after it has been assigned and should be turned in to me at the end of class. You can turn in your homework earlier. The lowest homework score will be dropped (thus only ten best homeworks count).

Late homework will not be accepted!

8. Grading: During the semester there will be two midterm exams:

Wednesday, February 20 & Wednesday, April 3.

along with the final exam. Midterms are worth 20% of your grade each (giving together 40% of your total grade). Midterms will be administered during lecture time and will last 50 minutes. You can expect a standard 5 problem test. Exam dates are also posted on Blackboard.

For information on missing exams please refer to the next section.



The two-hours final exam is worth 50% of your grade. It will be given during the common finals week at the end of the semester on

Wednesday, May 15th at 4:30PM (location TBD).

Shall the unlikely event of an exam conflict occur, let me know as soon as possible so that we can take necessary steps to resolve the situation. Homework counts as 10% of your final grade.

This course contains a computer lab component. Two of the discussion sessions are going to be devoted to numerical methods related to the course material. We will use MatLab. You may want to familiarize yourself with MatLab as soon as possible.

9. Missing Exams: TRY NOT TO MISS ANY EXAMS! If you have an emergency or a *valid excuse* you need to *see me or notify me via e-mail* before the exam as soon as possible (at least 24 hours in advance). You are responsible for providing appropriate documentation **before** the exam takes place. If I determine that you may miss the exam, your score will be prorated from your final exam. If you miss an exam without an approved and documented excuse you will receive a score of zero.

There will be no make-up exams!

It is only in case of a school-sponsored event that you cannot get out of or in case of an EXTREME personal emergency that you can miss an exam. Therefore **try your hardest not to miss any exams** . If you miss an exam because of a serious illness and were not able to notify me before the exam you will need to bring a note from your doctor explaining your absence as soon as possible. Now - the fine-print:

Why?: I know that this policy can come off as harsh but, as you probably know, it is not different in real life. College is supposed not only to give you the formal knowledge necessary to succeed in professional life but prepare you for the job environment itself. The rules are there not to be applied blindly. We all are faulty human beings and make our mistakes sometimes but we should also try to behave in a way that shows accountability for our actions. Life goes on irregardless of what is happening in our lives.

10. Final grade: The final course grade will be computed as follows:

Homework	10%	Assigned as described above
Exam 1	20%	In-class exam, Wednesday, February 20
Exam 2	20%	In-class exam, Wednesday, April 3
Final exam	50%	Exam covering the entire course, Wednesday, May 15.

Gradelines will be determined after the final exam and the final grade will be curved. There are no letter grades for midterm exams. The midterm exam score is just that - a raw score. Midterms are not curved. In particular, saying "I got an 'A' on the first midterm and a 'B+' on the second midterm" does not mean anything.

11. Complaints Regarding Teaching or Grading: If you have any complaints about teaching or grading you should first try to resolve the problem with your TA or me. I strongly believe that two reasonable people can reach a satisfactory consensus. If you have questions regarding grading of a midterm exam you have to contact me within 7 days of the midterm exam. *Inquiries about less than 5 points will not be considered. If you feel that a problem has not been graded correctly and you ask me to re-grade it, your WHOLE exam will be graded.*

12. Attendance: It has been my experience that students who do not attend class all the time do **remarkably worse** on the exams than those who do and tend to fail the course. If your schedule or personal habits do not permit this - drop the course. If you can do the work without attending the class, you are in the wrong course and you are wasting your time and financial resources. See me or your adviser about switching to a higher level course.

13. Calculators: No calculator will be allowed and necessary for the tests. However you may want to use a scientific calculator to do your homework. A scientific calculator is one that can calculate the values of the standard algebraic and transcendental functions, but cannot display graphs of functions or do symbolic manipulation.

14. Getting Help: This class is very fast-paced and covers a large amount of material. We are here to provide support for you! If you have any questions about the material or

need help on the homework assignments, please don't hesitate to contact me or come to my office hours. We also strongly encourage you to take advantage of the Math Center. <http://college.usc.edu/mathcenter/about/welcome.cfm>

