

First Year Calculus. Math 9B

- **Professor:** Vasiliy Dolgushev
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- **Phone:** 951-827-7347
- **Office:** Surge 223
- **Office hours:** Monday 1-3pm, Friday 1-2pm and by appointment
- **Teaching assistants:**
 - R.J. Dolbin, rjdolbin@math.ucr.edu, his office is in Surge 259
 - Daisy Lam, daisylam@math.ucr.edu, her office is in Surge 281
 - Adam (Esteban) Navas, adamnavas@math.ucr.edu, his office is in Surge 281
 - Azadeh Rafizadeh, azadeh@math.ucr.edu, her office is in Surge 263
- **Lectures:** MWF 5:10-6PM in PHY 2000
- **Discussion sections:**
 - **Section 1:** Tuesday 8:10-9am in INTS 1121 with Daisy Lam
 - **Section 2:** Tuesday 6:10-7pm ENG2 142 with R.J. Dolbin
 - **Section 3:** Tuesday 10:10-11am WAT 2240 with Adam Navas
 - **Section 4:** Tuesday 4:10-5pm HMNSS 1400 with Azadeh Rafizadeh
 - **Section 5:** Tuesday 2:10-3pm OLMH 1126 with Azadeh Rafizadeh
- **Textbook:** James Stewart, *Single Variable Calculus*, 6th edition.
- **Syllabus:**
 - Riemann sums, definite integrals, geometric interpretation of definite integral
 - Antiderivatives, indefinite integrals
 - The Fundamental Theorem of Calculus
 - Integral Mean Value Theorem
 - Substitution Rule

- Applications of integration
- Inverse functions
- Exponential and logarithmic functions, hyperbolic functions
- L'Hôpital's Rule
- Techniques of integration: integration by parts, integration of rational functions, trigonometric substitution
- Improper integrals

- **Web-site:** Go to the *Blackboard*

<http://ilearn.ucr.edu/webapps/login/>

Please, **visit the blackboard often** for homework assignments and for announcements.

- **Homeworks:** Assignments of homeworks are posted every week on the blackboard. They will be collected during your discussion section on Tuesdays. In each homework assignment 3 randomly chosen exercises will be graded. A homework with the lowest score will be dropped.
- **Midterm:** We will have ONE midterm. It will be held on Jan 27 (Wednesday) in class 05:10 - 6pm, PHY 2000.
- **Final exam** is tentatively scheduled on **March 16, 7-10PM**.
- **Web-assign:** We will NOT use the web-assign.
- **Grading:** The maximal total score is 260 pts. It is split as follows:
 1. Final 100 pts.
 2. Midterm 40 pts.
 3. Homeworks $15 \times 8 = 120$ pts.

A homework with the lowest score will be dropped.

The grading guide is similar to the one you had in your high school:

| | |
|---------|------------|
| A/A- | 90-100% |
| B+/B/B- | 80-89% |
| C+/C/C- | 70-79 % |
| D | 60-69 % |
| F | below 60 % |

- **Your grade and your score.** The above table will NOT be used as a rule for determining your grade. It is only considered as a helpful guide. It often happens that the score does not reflect the actual knowledge of the material. For getting a good grade you **are required to know basic definitions and be able to manipulate with the basic notions**. Please, see the **must-know-list**.

- **Justify all your steps!** You have to **justify all your steps** in all your written assignments exams. Also, please, **write legibly!** Not justifying steps or not writing legibly may reduce your score.
- **Make-ups:** Late homeworks will NOT be accepted. There will be NO make-ups for the midterm. However, if you miss the midterm then I will respectively rescale the total score of your final exam. I will allow you to make-up your final ONLY IN CASE OF A DOCUMENTED EMERGENCY.

G O O D L U C K !