# MATH 3A, FALL 2017

## WILFRID GANGBO

1. This course meets for lectures on Mondays, Wednesdays and Fridays from 11:00 to 11:50 am in 1178 FRANZ. The course will cover the following: Preview of Modeling and Calculus; Real Numbers and Functions; Inverse Functions and Logarithms; Rates of Change and Tangent Lines; Limit Laws and Continuity; Asymptotes and Infinity; The Derivative as a Function; Product And Quotient Rule; L'Hopital's Rule. The recommended book for that is *Calculus for the Life Sciences, Wiley*, by S. J. Schreiber.

2. My office is MS 7945, and office hours will be on Mondays, Wednesdays and Fridays from 1:10 to 2:00 pm, or by appointment. I may be reached by email at wgangbo@math.ucla.edu.

3. **Homework.** Homework will be assigned and collected roughly every other week in class. It will be graded and promptly returned to you in your discussion sections, usually the following week. The assignments will be announced in class well in advance, and posted on the course website. Your score on each homework assignment will be based on a few randomly chosen problems. **Late homework will not be accepted**, but your lowest homework score will be dropped. The next HW problems can be found at

$$\text{http://www.math.ucla.edu/~wgangbo/academic/math3A/}$$

4. **Grading.** Your final average in this class will be computed as the maximum of the following schemes:

| Scheme 1: | Scheme 2: |
|---|---|
| Homework: 10 % | Homework: 10 % |
| Midterm 1: 25 % | Max of Midterms 1 and 2: 35 % |
| Midterm 2: 25 % | |
| Final Exam: 40 % | Final Exam: 55 % |

5. **Exam.** During the exams, you may not use notes, calculators, cell phones, or anything other than paper and pen/pencil. A sufficient amount of paper will be provided for you. **There will be no make–ups for missed midterms**. If you miss one midterm for a legitimate, documented reason, your grade will be computed using the second grading scheme above. **You must take the final exam in order to pass the class.** Make-ups for the final exam are permitted only under exceptional circumstances, as outlined in the UCLA student handbook. Please bring a photo ID to every exam. The exams are scheduled for the following dates:

   (i) The tentative date for the first hour midterm is Wednesday 18 October 2017,
   (ii) The tentative date for the second hour midterm is Monday 13 November 2017.
   (iii) The date for your final exam is

6. **Reader.** Wenjie Gu, 3A; guwenjie97@gmail.com

7. **Teaching assistant.**
   (i) Siting Liu; siting6@ucla.edu
   3A; 2A: MS 5118; Tuesday 11:00am–11:50am;     2B: MS 5137; Thursday 11:00am-11:50am;
   (ii) Alexander Mayer; ajmayer95@yahoo.com
   2E: PAB 2748; Tuesday 11:00am-11:50am;     2F: MS 5138; Thursday11:00am-11:50am;

(iii) Stanley Palasek; spalasek@alumni.princeton.edu
2C: MS 5117; Tuesday 11:00am-11:50am;      2D: BOELTER 5422; Thursday 11:00am-11:50am

8.  **Math tutoring.**  The SMC offers free, individual and group tutoring for all lower division math courses.  This service is available on a walk-in basis; no appointment is necessary. Students may ask any of the TAs in attendance for assistance with math problems.

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