Math 1B-7, 12:30 pm --1:20 pm, MTWThF, Room: E31, Spring, 2015

## **SYLLABUS**

Instructor: Dr. Kejian Shi

Office: S-16A

**Office Phone:** (408) 864-8481

**Office Hour:** MTWThF: 9:30-10:20 AM or by appointment

**Prerequisites:** Math 1A (with a grade of C or better), or equivalent

**Textbook:** CALCULUS – Early Transcendentals, 7<sup>th</sup> E (California Edition), by James Stewart

Materials: Graphing calculator recommended

Attendance: Students are expected to attend all classes on time. Students who are absent more than 3 times

may be dropped from the class. However, it is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the dead line will not be considered by the

instructor.

**Homework:** Homework (hw) will be assigned **every day in class** and will be collected three times: on **May 1**<sup>st</sup>,

May 29<sup>th</sup>, and June 22<sup>nd</sup> (20 points each collection.) No late hws will be accepted. Hw is the key to success in this class. Plan to devote a minimum of **TWO hours** to hw for **each class hour**.

Quizzes: Three Quizzes (33, 33, and 34 points) will be given in class. No makeup quizzes. Quiz problems

are similar to homework problems and lecture examples.

Midterms: <u>Two</u> one-class-hour midterm examinations (100 points each) will be given in class. No makeup

except for extenuating circumstances assuming the student notifies the instructor as soon as the

emergency arises.

Final Exam: One two-hour comprehensive examination will be given from 11:30am-1:30pm on Tuesday,

June 23, 2015. Any student missing the final will receive an F grade.

| Grading: | <u>Distributio</u> | <u>n</u> | <u>Scale</u> |         |            |  |  |
|----------|--------------------|----------|--------------|---------|------------|--|--|
|          |                    |          | Grade        | Points  | Percentage |  |  |
|          | Homework           | 60       | A+           | 530-560 | 95%-100%   |  |  |
|          |                    |          | A            | 502-529 | 90%-94%    |  |  |
|          |                    |          | A-           | 490-501 | 88%-89%    |  |  |
|          | Quizzes            | 100      | B+           | 474-489 | 85%-87%    |  |  |
|          |                    |          | В            | 446-473 | 80%-84%    |  |  |
|          |                    |          | B-           | 434-445 | 78%-79%    |  |  |
|          | Midterms           | 200      | C+           | 418-433 | 75%-77%    |  |  |
|          |                    |          | C            | 378-417 | 68%-74%    |  |  |
|          |                    |          | D+           | 362-377 | 65%-67%    |  |  |
|          | Final Exam         | 200      | D            | 334-361 | 60%-64%    |  |  |
|          |                    |          | D-           | 322-333 | 58%-59%    |  |  |
|          | Total              | 560      | F            | 0-321   | 0%-57%     |  |  |

SLO:

- 1. Analyze the definite integral from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
- 2. Formulate and use the Fundamental Theorem of Calculus.
- 3. Apply the definite integral in solving problems in analytical geometry and the sciences.

## MATH 1B-7 SCHEDULE, Spring 2015 Dr. Kejian Shi

| APL   5.1   5.1   5.2   5.2   5.3   1  |       | MONDAY       | TUESDAY    |    | WEDNESD | ΑY | THURSDAY |     | FRIDAY       | SATURDAY        | SUNDAY | Wk |
|--|-------|--------------|------------|----|---------|----|----------|-----|--------------|-----------------|--------|----|
| S.1   S.1   S.2   S.2   S.3   S.2   S.3   S.3   S.4   S.5    |       | 6            |            | 7  |         | 8  |          | 9   | 10           | 11              | 12     |    |
| APL 5.3  | APL   |              |            |    |         |    |          |     |              |                 |        | 1  |
| APL 5.3  |       |              | 5.1        |    | 5.2     |    | 5.2      |     |              |                 |        |    |
| S.3   S.4   S.5   Review   Quiz #1   |       | 13           |            | 14 |         | 15 |          | 16  | 17           |                 |        |    |
| APL Solution   | APL   | F 3          | <b>5</b> 4 |    |         |    | Davie    |     | 0:- #4       | Last day to add |        | 2  |
| APL   Solution   5.5   3.11  |       |              | 5.4        | 21 | 5.5     | 22 | Keview   |     |              | 25              |        |    |
| S.5  | APL   |              |            | 21 |         | 22 |          | 23  | 24           | 23              | 20     | 3  |
| APL  |       |              | 3.11       |    | Handou  | ıt | 6.1      |     | 6.1          |                 |        |    |
| MAY   6.2   6.2   6.3   Review   Exam #1   | APL   |              |            | 28 |         |    |          | 30  |              | 2               | 3      |    |
| MAY         Solution         6.3         6.4         6.4         6.5         7         8         9         10         5           MAY         11         12         13         14         15         16         17         6           MAY         7.1         7.1         7.2         Review         Quiz#2         23         24           MAY         Solution         7.3         7.4         7.5         7.6         Review         Exam #2         9         30         31         8         8         8         9         10         11         12         13         14         10         10  | /     |              |            |    |         |    |          |     | Request P/NP |                 |        | 4  |
| MAY   Solution   6.3   6.4   6.4   6.5   | MAY   | 6.2          | 6.2        |    | 6.3     |    | Review   |     |              |                 |        |    |
| Solution   6.3   6.4   6.4   6.5   |       | 4            |            | 5  |         | 6  |          | 7   | 8            | 9               | 10     |    |
| MAY 7.1 7.1 7.2 Review Quiz#2    MAY   Solution   7.3   7.4   7.4   7.4   7.4   7.4   7.5   8   8   8   8   8   8   9   10   11   12   13   14   10   8.1   8.2   8.3   Review Quiz#3   9.4   9.2   9.3   9.4   9.4   9.4   9.4   9.4   9.5   9.1   9.2   9.3   9.4   9. | MAY   |              |            |    |         |    |          |     |              |                 |        | 5  |
| MAY  |       |              | 6.3        | 12 | 6.4     | 12 | 6.4      | 1.1 |              | 16              | 4.7    |    |
| NAY   Solution   7.3   7.4   7.4   7.4   7.4   7.4   7.5   7.5   7.6   Review   Exam #2   7   7   7.7   7.8   7.8   7.8   7.8   7.8   7.9   7.9   7.7   7.8   7.   | NANV  | 11           |            | 12 |         | 13 |          | 14  | 15           | 16              | 17     | 6  |
| MAY   Solution   7.3   7.4     | IVIAI | 7.1          | 7.1        |    | 7.2     |    | Review   |     | Quiz#2       |                 |        | U  |
| MAY         Solution 7.3         7.3         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.4         7.5         7.5         26         27         28         29         30         31         8         8         9         7.5         7.6         Review         Exam #2         Drop with "W" Exam #2         8         8         9         7.6         Review         Exam #2         9   |       |              | 7.1        | 19 | ,,,     | 20 | Kerien   |     |              | 23              | 24     |    |
| MAY   MEMORIAL DAY   HOLIDAY   T.5   T.6   Review   Exam #2   Solution   T.7   T.7   T.8   T.8   T.8   T.9   | MAY   |              |            |    |         |    |          |     |              |                 |        | 7  |
| MAY         MEMORIAL DAY HOLIDAY         7.5         7.6         Review         Drop with "W" Exam #2         8           JUN         1         2         3         4         5         6         7         9           Solution         7.7         7.7         7.8         7.8         7.8         13         14         10           JUN         8.1         8.2         8.3         Review         Quiz #3         10         20         21         11           JUN         Solution 8.5         9.1         9.2         9.3         9.4         20         21         11           JUN         22         23         24         25         26         27         28         12           JUN         29         30         1         2         3         4         5   |       | 7.3          | 7.3        |    | 7.4     |    | 7.4      |     | 7.4          |                 |        |    |
| HOLIDAY   7.5   7.6   Review   Exam #2   |       | 25           |            | 26 |         | 27 |          | 28  | 29           | 30              | 31     |    |
| JUN         1         2         3         4         5         6         7         9           JUN         8         9         10         11         12         13         14         10           JUN         8.1         8.2         8.3         Review         Quiz #3         10         20         21         11           JUN         Solution 8.5         9.1         9.2         9.3         9.4         20         21         11         11           JUN         22         23         24         25         26         27         28         12           JUN         Review         11:30am-1:30         1         2         3         4         5  | MAY   | MEMORIAL DAY |            |    |         |    |          |     | -            |                 |        | 8  |
| JUN         Solution         7.7         7.7         7.8         9.1         9.0         10         11         12         13         14         10         11         10         10         11         11         12         20         21         11         11         12         20         21         11         11         12         20         21         11         12         20         27         28         12         12         12         12         12         12         12         12         12         12         13         4         5  |       |              | 7.5        |    | 7.6     | _  | Review   |     |              | -               | _      |    |
| Solution   7.7   7.7   7.8   7.8   7.8   | HIN   | 1            |            | 2  |         | 3  |          | 4   | 5            | 6               | 7      |    |
| JUN         8.1         8.2         8.3         Review         Quiz #3         10         11         12         13         14         10           JUN         15         16         17         18         19         20         21         11           JUN         Solution 8.5         9.1         9.2         9.3         9.4         26         27         28           JUN         Final Exam 11:30am-1:30         12         3         4         5  | JOIN  | Solution     | 77         |    | 77      |    | 7 9      |     | 7 9          |                 |        | 9  |
| JUN         8.1         8.2         8.3         Review         Quiz #3         10           JUN         15         16         17         18         19         20         21           JUN         Solution 8.5         9.1         9.2         9.3         9.4         27         28           JUN         Final Exam 11:30am-1:30         25         26         27         28         12           JUN         29         30         1         2         3         4         5   |       |              | 7.7        | 9  | 7.7     | 10 |          | 11  |              | 13              | 14     |    |
| 8.1         8.2         8.3         Review         Quiz #3         Part Part Part Part Part Part Part Part   | JUN   | G            |            |    |         |    |          |     |              | 13              |        | 10 |
| JUN         15 Solution 8.5         9.1         9.2         9.3         9.4         10 20 21 11 21 21 21 21 21 21 21 21 21 21 21   |       | 8.1          | 8.2        |    | 8.3     |    | Review   |     | Quiz #3      |                 |        |    |
| 8.5         9.1         9.2         9.3         9.4         20         27         28         27         28         12           JUN         Review         11:30am-1:30         1         2         3         4         5  |       |              |            | 16 |         | 17 |          |     |              | 20              | 21     |    |
| JUN         22         23         24         25         26         27         28         12           JUN         29         30         1         2         3         4         5  | JUN   | Solution     |            |    |         |    |          |     |              |                 |        | 11 |
| JUN         Final Exam 11:30am-1:30         12           JUN         29         30         1         2         3         4         5   |       |              | 9.1        |    | 9.2     |    | 9.3      |     |              |                 |        |    |
| Review         11:30am-1:30           JUN         29         30         1         2         3         4         5  |       | 22           |            |    |         | 24 |          | 25  | 26           | 27              | 28     |    |
| JUN 29 30 1 2 3 4 5  | JUN   | Doutern      |            |    |         |    |          |     |              |                 |        | 12 |
|  | HIN   |              | 11:30am-1  |    |         | 1  |          | 2   | 2            | 1               |        |    |
| 1 00111111211  |       |              |            | 50 |         | 1  |          |     | 3            | 4               | 5      | 1  |
| JLY BEGINS   |       |              |            |    |         |    |          |     |              |                 |        | _  |