| 2015f-MATH-1326, Applied Calculus II | | | | VERSION: Sunday 23rd August, 2015 21:07 | |
|---|---|---|---|---|---|
| Section | Call No. | Course Meeting Times | ClassRoom | Instructor | |
| 1326.001 | 84736 | TR 11:30am–12:45pm | JSOM 2.802 | Mussa | |
| 1326.002 | 84242 | TR 11:30am–12:45pm | JSOM 1.102 | Dahal | |
| 1326.003 | 84737 | TR 1:00pm–2:15pm | FO 2.404 | Patel | |
| 1326.004 | 84738 | TR 1:00pm–2:15pm | JSOM 12.222 | Mussa | |
| 1326.005 | 84638 | TR 2:30pm–3:45pm | FO 2.404 | Patel | |
| 1326.006 | 84739 | TR 2:30pm–3:45pm | JSOM 2.904 | Li | |
| 1326.007 | 86591 | TR 4:00pm–5:15pm | JSOM 2.904 | Li | |
| 1326.008 | 88893 | TR 1:00pm–2:15pm | CB3 1.312 | Dahal | |
| 1326.009 | 88300 | TR 10:00am–11:15am | JSOM 1.110 | Wang | |
| 1326.501 | 84241 | TR 5:30pm–6:45pm | FO 2.208 | Rice | |
| 1326.701 | 84393 | See exam information below. | See exam information below. | Patel | |

| Instructor Information | | | | | |
|---|---|---|---|---|---|
| Instructor | Phone | Office | E-mail | Office Hours | |
| Rabin Dahal | 972-883-6584 | FO 2.110 | rxd153030@utdallas.edu | TR:10:00-11:00am & MF:1:00-3:00pm | |
| Changsong Li | 972-883-6034 | FO 2.108 | cxl109120@utdallas.edu | TR:5:15-6:30pm & W:12:00-1:00pm | |
| Derege Mussa | 972-883-6562 | FO 2.104 | dxm146130@utdallas.edu | MWF:10:15-11:15am | |
| Jigar Patel | 972-883-6589 | FO 2.104 | jsp061000@utdallas.edu | TR: 9:00-10:00am, 3:50-4:50pm | |
| David Rice | 972-883-xxxx | TBA | dxr143630@utdallas.edu | TR: 7:00-8:00pm | |
| Yunfei Wang | 972-883-xxxx | FO 2.810 | yxw109320@utdallas.edu | TR: 9:00-10:00am | |

| General Course Information | |
|---|---|
| Pre-requisite | C- or better in **MATH 1325** or an equivalent course. |
| Co-requisite | Students must be enrolled in the **MATH 1326** exam section, which is section 701. Section 701 only meets on the exam weeks, not every week. |
| Course Description | Course topics include review of limits, differentiation, logarithmic and exponential functions. It also covers integration techniques, application of integration, calculus of several variable, differential equations, sequences and series. This course is intended to provide students with the skills needed to develop solutions to mathematical problems at the level appropriate to the course. |
| Recommended Texts | *Calculus with Applications* 10*th* *Edition*, by Lial, Greenwell and Ritchey, published by Pearson. |
| Required Supplies | 1. Students must purchase MyMathLab access code. An electronic version of the textbook is included. **MyMathLab must be accessed through eLearning.**<br>2. A stapler is required for take-home quizzes.<br>3. A non-programmable, non graphic scientific calculator may be used on quizzes and exams. **Calculators which can compute derivatives and/or integrals (such as some Casio brand calculators) are strictly prohibited.** |
| eLearning | 1. You must check the eLearning course page regularly.<br>2. Course assignments and the gradebook will be posted through eLearning.<br>https://elearning.utdallas.edu |
| UTD E-mail | Your official UTD E-mail address will be used to send you important course information. *You must check your official UTD E-mail address regularly and make sure your inbox is not full.* |
| Additional Resources | The Student Success Center Math Lab is located in the library **MC 3.606**.<br>**Fall 2015** UTD Math Lab Hours: Mon-Thu 10:00am-8:00pm, Fri-Sat 10:00am-4:00pm, Sun 12:00pm-4:00pm.<br>Weekly review for MATH 1326 by Math Lab: Monday 4:00pm-5:15pm and Friday 9:00pm-10:15pm in MC 3.610. Check their website for additional information.<br>http://www.utdallas.edu/GEMS/mathlab/index.html |

| Exam Information | | | | | |
|---|---|---|---|---|---|
| The exams *will not be during class time*. **First and Second midterms** are scheduled on **Monday** evening and **Final exam** is scheduled on **Friday** evening during the exam section MATH 1326.701 *for all sections*. The location of the exam will be announced on *eLearning*. | | | | | |
| Exam | Name | Date | Time | Location | |
| First Exam | exam_01 | Monday, Sept. 28 | 8:30pm–10:00pm | TBA | |
| Second Exam | exam_02 | Monday, Nov. 02 | 8:30pm–10:30pm | TBA | |
| Final Exam | exam_03 | Friday, Dec. 11 | 5:00pm–7:45pm | TBA | |

## Tentative Course Outline

| Week | Monday | Sections and Days Off | Exam | THQ Due (TUE) | DHW Due (WED) | Quiz (THU) |
|---|---|---|---|---|---|---|
| 1 | 08/24 | Chapters 2–5 review | | | | |
| 2 | 08/31 | Chapters 2–5 review | | THQ1 | DHW1 | Q1 |
| 3 | 09/07 | *Labor Day*, Chapters 2–5 review | | THQ2 | DHW2 | Q2 |
| 4 | 09/14 | 7.1, 7.2 | | THQ3 | DHW3 | Q3 |
| 5 | 09/21 | 7.4, *Review* | | THQ4 | DHW4 | Q4 |
| 6 | 09/28 | 7.5, 8.1 | MON(09/28) | | | |
| 7 | 10/05 | 8.2, 8.4 | | THQ5 | DHW5 | Q5 |
| 8 | 10/12 | 9.1, 9.2, 9.3 | | THQ6 | DHW6 | Q6 |
| 9 | 10/19 | 9.3, 9.4 | | THQ7 | DHW7 | Q7 |
| 10 | 10/26 | 9.4, 9.5, *Review* | | THQ8 | DHW8 | Q8 |
| 11 | 11/02 | 9.6, 10.1 | MON(11/02) | | | |
| 12 | 11/09 | 10.1, 10.2, 10.4, | | THQ9 | DHW9 | Q9 |
| 13 | 11/16 | 12.1, 12.4 | | THQ10 | DHW10 | Q10 |
| 14 | 11/23 | Fall Break / Thanksgiving | | | | |
| 15 | 11/30 | 12.7, *Review* | | THQ11 | DHW11 | Q11 |
| 16 | 12/07 | *Review* | Wed(12/11) | THQ12 | DHW12 | |

## Grading Information

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|---|---|
| Description | There will be 2 exams. There will be 11 quizzes. There will be 12 take home quizzes. There will be 12 digital homework assignments. There will be 1 comprehensive final exam. |
| Quizzes | There will be 11 quizzes. The quizzes will be taken in class. A missed quiz results in zero. A quiz average will be obtained by dropping the two lowest quiz scores and averaging the remaining quiz scores. The quiz average is 15% of your course grade. |
| Digital Homework (DHW) | There will be 12 DHW assignments, which will be posted on MyMathLab and completed out side class. A missed DHW results in zero. A homework average will be obtained by dropping the lowest two homework scores and averaging the remaining homework scores. The DHW average is 10% of your course grade. |
| Take Home Quizzes (THQ) | There will be 12 THQ assignments, which will be posted on eLearning and completed out side class. You must download, print-off, complete and staple them. THQ must be submitted at the beginning of the lecture. It is not possible to turn-in THQ at any other place or time. A missed THQ results in zero. THQ will not be accepted if they are late, not stapled or missing a name. Your THQ average will be obtained by dropping the lowest two scores and averaging the remaining scores. The THQ average is 10% of your course grade. |
| Exams | There will be 2 midterm exams. You will receive a zero for a missed exam. Exams can not be dropped or replaced with other assignments. Each midterm is worth 20% of your course grade. |
| Final Exam | There will be a comprehensive final exam. The final exam is 25% of your course grade. |
| Attendance | Attendance is required and will be taken. |
| Grade Scale | |

| | | | | | |
|---|---|---|---|---|---|
| $A+:$ | $[97,100]$ | $A:$ | $[93,97)$ | $A-:$ | $[90,93)$ |
| $B+:$ | $[87,90)$ | $B:$ | $[83,87)$ | $B-:$ | $[80,83)$ |
| $C+:$ | $[77,80)$ | $C:$ | $[73,77)$ | $C-:$ | $[70,73)$ |
| $D+:$ | $[67,70)$ | $D:$ | $[63,67)$ | $D-:$ | $[60,63)$ |
| $F:$ | $[0,60)$ | | | | |

Example — Here is an example of how to compute your course grade.

| THQ_average | DHW_average | Quiz_average | exam_01 | exam_02 | Final |
|---|---|---|---|---|---|
| 71 | 85 | 83 | 81 | 89 | 91 |

| | |
|---|---|
| Course Percent | $0.1*71 + 0.1*85 + 0.15*83 + 0.2*81 + 0.2*89 + 0.25*91 = 84.80$ |
| Course Grade | $B$ |

## Important Dates

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|---|---|
| Sept. 09 | Census day; Last day to drop without record. |
| Sept. 10 - Oct. 05 | Students may withdraw from a class with signature and receive **W**. |
| Oct. 06 - Oct. 29 | **WL** period, with signature of instructor and advisor. |
| Oct. 30 or later | Students may withdraw from a class for non academic reasons only. |

## Student Learning Objectives/Outcomes

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|---|---|
| 1 | Students will be able to formulate real world problem into mathematical statements. |
| 2 | Students will be able to develop solutions to mathematical problems at the level appropriate to the course. |
| 3 | Students will be familiarized with integration techniques, differential equations, functions of several variables, sequences, and series summation principles. |
| 4 | Students will be able to describe or demonstrate mathematical solutions either numerically or graphically. |

| Make-Up Policy |
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| Extensions and make-ups are available only in the case of university-approved circumstances, such as official UTD business, or medical emergencies. When applicable, you must make arrangements with your instructor *at least one week in advance*. |

| Additional Information About the Textbook |
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| At minimum, student will need to purchase the access code for MyMathLab related to the course text, as that includes access to the e-book. For further information contact the campus bookstore. |

| Option | ISBN | Description |
| --- | --- | --- |
| MyMathLab access code only | ISBN-10:032119991X ISBN-13:9780321199911 | This option contains the full text in ebook form, and access to MyMathLab homework. |
| MyMathLab access code packaged with the loose leaf text | ISBN-10:0321759540 ISBN-13:9780321759542 | This option contains the full text in ebook form, loose leaf textbook and access to MyMathLab homework. |
| MyMathLab access code packaged with the hard-cover text | ISBN-10:0321760026 ISBN-13:9780321760029 | This option contains the full text in ebook form, hard cover text-book and access to MyMathLab homework. |

| First time login guideline for MyMathLab |
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| **MyMathLab must be accessed through eLearning.** |

1. Log into eLearning, and select **MATH1326.701-Applied Calculus II-F15.**
2. On the course homepage, click **Pearson's MyLab & Mastering**.
3. Click on **MyMathLab All Assignments** at the top.
4. Read the terms, and click the I Accept button.
5.     A) If you do not already have an account with MyMathLab, click the Create button. Follow the screen prompts to set up an account. Make sure to use your UTD email address for your username, for example, abc099000@utdallas.edu. You will be given 3 options:
       a. Enter an access code
       b. Pay for access now
       c. Request temporary access
   B) If you already have an account, enter your Username and Password, and click Sign In
6. When your registration is complete, click Go to Your Course to enter the MyMathLab course.
7. On your subsequent return to eLearning, you only need to repeat steps 1 and 2 above to enter the MyMathLab course.

| Additional Notes |
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| Failure to demonstrate all work and steps in the solution of a problem may result in zero credit for the problem. |
| The use of any electronic communications device during class is *prohibited*. |
| Failure to regularly check the course eLearning site is not an excuse. |
| Failure to check and maintain your UTD email is *not an excuse*. |
| **The description and timelines contained in this syllabus are subject to change at the discretion of the instructor.** |