

**Lecture Sections**

| Section  | Course Number | Location  | Days | Time            | Instructor |
|----------|---------------|-----------|------|-----------------|------------|
| 2417.001 | 84304         | FO 1.502  | TR   | 8:30am-9:45am   | Rabin      |
| 2417.002 | 84305         | FO 2.208  | TR   | 10:00am-11:15am | John       |
| 2417.003 | 84306         | FO 2.208  | TR   | 11:30am-12:45pm | John       |
| 2417.004 | 84576         | FO 1.202  | TR   | 1:00pm-2:15pm   | Oleg       |
| 2417.005 | 84577         | FO 1.202  | TR   | 2:30pm-3:45pm   | Oleg       |
| 2417.006 | 84578         | FO 2.404  | TR   | 4:00pm-5:15pm   | Kemelli    |
| 2417.007 | 84579         | FO 1.202  | TR   | 8:30am-9:45am   | Farid      |
| 2417.008 | 84580         | FO 2.404  | TR   | 10:00am-11:15am | Farid      |
| 2417.009 | 84781         | FO 1.502  | TR   | 11:30am-12:45pm | Anatoly    |
| 2417.010 | 84681         | CB3 1.306 | TR   | 2:30pm-3:45pm   | Anatoly    |
| 2417.011 | 84937         | FO 2.208  | TR   | 4:00pm-5:15pm   | Mohammad   |
| 2417.012 | 84783         | FO 1.502  | TR   | 1:00pm-2:15pm   | Anatoly    |
| 2417.013 | 87067         | FO 2.404  | TR   | 2:30pm-3:45pm   | Mohammad   |
| 2417.014 | 87854         | FO 2.208  | TR   | 2:30pm-3:45pm   | Kemelli    |

**Instructor Information**

| Instructor       | Phone        | Office    | E-Mail                 | Office Hours                   |
|------------------|--------------|-----------|------------------------|--------------------------------|
| Anatoly Eydelzon | 972-883-6593 | FO 2.108  | axe031000@utdallas.edu | TR (9:45am - 11:15am)          |
| Farid Khafizov   | 972-883-2161 | FO 2.410G | ftk100020@utdallas.edu | R (11:15am - 12:15pm)+by appt. |
| John Norwood     | TBA          | FN 3.118  | jxn142530@utdallas.edu | R (1:00pm - 2:00pm)+by appt.   |
| Mohammad Ahsan   | 972-883-6336 | FO 2.410F | mka120030@utdallas.edu | MWF (1:00pm - 2:00pm)+by appt. |
| Oleg Makarenkov  | 972-883-4617 | FO 2.604G | oxm130230@utdallas.edu | TR (4:00pm - 5:00pm)+by appt.  |
| Rabin Dahal      | 972-883-6584 | FO 2.110  | rxn153030@utdallas.edu | WF (9:00am - 12:00pm)          |
| Kemelli Hiroms   | TBA          | FA 2.106  | kxe160930@utdallas.edu | TR (1:00pm - 2:00pm)+by appt.  |

**Problem Sections and TAs**

| Section | Course Number | Location   | Days | Time            | TA                      | NetID     |
|---------|---------------|------------|------|-----------------|-------------------------|-----------|
| 301     | 84462         | CB1 1.106  | F    | 8:00am-9:50am   | Jing Guo                | jxg133830 |
| 302     | 84463         | SLC 2.203  | F    | 8:00am-9:50am   | Kan Zhang               | kxz150430 |
| 303     | 85269         | PHY 1.103  | F    | 10:00am-11:50am | Jing Guo                | jxg133830 |
| 304     | 84465         | SLC 1.204  | F    | 10:00am-11:50am | Kan Zhang               | kxz150430 |
| 305     | 84498         | CB1 1.102  | F    | 1:00pm-2:50pm   | Lak Nilusha Kotinkaduwa | lxk130830 |
| 306     | 84505         | CB3 1.308  | F    | 1:00pm-2:50pm   | Lei Zhang               | lxz096120 |
| 307     | 84581         | SLC 2.203  | F    | 3:00pm-4:50pm   | Lak Nilusha Kotinkaduwa | lxk130830 |
| 308     | 84582         | CB1 1.102  | F    | 3:00pm-4:50pm   | Lei Zhang               | lxz096120 |
| 309     | 84583         | SLC 2.302  | F    | 8:00am-9:50am   | Mohammadmehdi Akhavan   | mxh153130 |
| 310     | 86667         | SLC 1.204  | F    | 8:00am-9:50am   | Md Abu Helal            | mxh153130 |
| 311     | 84584         | CB1 1.106  | F    | 10:00am-11:50am | Marwah Soliman          | mms140130 |
| 312     | 84585         | SLC 2.203  | F    | 10:00am-11:50am | Md Abu Helal            | mxh153130 |
| 313     | 84682         | SLC 2.304  | F    | 1:00pm-2:50pm   | Mengqi Hu               | mxh163430 |
| 314     | 84660         | SOM 12.218 | F    | 1:00pm-2:50pm   | Mohammadmehdi Akhavan   | mxh153130 |
| 315     | 84784         | SLC 2.302  | F    | 3:00pm-4:50pm   | Mengqi Hu               | mxh163430 |
| 316     | 84685         | SOM 12.218 | F    | 3:00pm-4:50pm   | Yashi Bu                | mxh153130 |
| 317     | 84785         | JO 4.708   | F    | 8:00am-9:50am   | Patrick Atward Thompson | pat160130 |
| 318     | 84786         | FN 2.204   | F    | 8:00am-9:50am   | Rajendra K C Khatri     | rxk153630 |
| 319     | 84787         | CB3 1.304  | F    | 10:00am-11:50am | Patrick Atward Thompson | pat160130 |
| 320     | 84788         | SLC 1.202  | F    | 10:00am-11:50am | Rajendra K C Khatri     | rxk153630 |
| 321     | 84789         | CB3 1.304  | F    | 1:00pm-2:50pm   | Samreen Khan            | sxs159730 |
| 322     | 85266         | FN 2.204   | F    | 1:00pm-2:50pm   | Yaghoub Rahimi          | yxr160430 |
| 323     | 85267         | SLC 2.304  | F    | 3:00pm-4:50pm   | Samreen Khan            | sxs159730 |
| 324     | 85268         | FN 2.204   | F    | 3:00pm-4:50pm   | Yaghoub Rahimi          | yxr160430 |
| 325     | 87349         | CB3 1.304  | M    | 3:00pm-4:50pm   | Roger Ranomenjanahary   | rxr144530 |

|     |       |           |   |               |                       |           |
|-----|-------|-----------|---|---------------|-----------------------|-----------|
| 326 | 87350 | CB3 1.304 | W | 3:00pm-4:50pm | Jonathan Popa         | jmp108020 |
| 327 | 87855 | SLC 2.302 | F | 1:00pm-2:50pm | Marwah Soliman        | mms140130 |
| 801 | 84790 | CB3 1.314 | W | 5:00pm-6:50pm | Roger Ranomenjanahary | rxr144530 |
| 802 | 84636 | CB3 1.310 | W | 5:00pm-6:50pm | Jonathan Popa         | jmp108020 |

### General Course Information

|                                  |  |
|----------------------------------|--|
| Pre-requisite                    | A minimal placement score 75% on ALEKS math placement exam or a grade of at least a C- in MATH 2312 or an equivalent course.   |
| Co-requisite                     | (i) Students must be enrolled in the MATH 2417 exam section, which is section 701. Section 701 only meets on exam weeks, not every week. (ii) Students must be enrolled in a MATH 2417 problem section, which are MATH 2417 sections 3XX (daytime) or 8XX (nighttime). Problem sections meet every week.   |
| Course Description               | Functions, limits, continuity, differentiation; integration of function of one variable; logarithmic, exponential, and inverse trigonometric functions; techniques of integration, and applications.   |
| Learning Objectives/<br>Outcomes | <p>(i) Students will be able to formulate real world problems into mathematical statements.</p> <ul style="list-style-type: none"> <li>Given a narrative description of a problem that lends itself to mathematical analysis, the student will clearly define any variable quantities introduced and provide an appropriate equation, function, or formula relating those variables.</li> </ul> <p>(ii) Students will be able to develop solutions to mathematical problems at the level appropriate to the course.</p> <ul style="list-style-type: none"> <li>Given a limit statement of indeterminate form, the student will be able to apply appropriate algebraic or calculus based techniques to compute the limit.</li> <li>The student will be able to evaluate an indefinite or definite integral of a continuous function.</li> </ul> <p>(iii) Students will be able to describe or demonstrate mathematical solutions either numerically or graphically.</p> <ul style="list-style-type: none"> <li>Students will provide numerical results in a prescribed manner, as a percent, an interval, or with specified accuracy.</li> <li>Students will provide a sketch of a function which exhibits characteristics determined via calculus based operations.</li> </ul> |
| Recommended Texts                | Calculus Tenth Edition, written by Larson and Edwards, published by Brooks/Cole/Cengage. ( <a href="https://coursebook.utdallas.edu/math/2417/701/term.16f?">https://coursebook.utdallas.edu/math/2417/701/term.16f?</a> )   |
| Online Homework                  | Weekly online homework assignments will be posted in WebAssign. You need to purchase access to this online homework system.  |
| UTD E-mail                       | Your official UTD E-mail address will be used regularly to send you important course information.  |
| Additional Resources             | The UTD Math Lab: ( <a href="http://www.utdallas.edu/studentsuccess/mathlab/">http://www.utdallas.edu/studentsuccess/mathlab/</a> )  |

### Academic Calendar

Please refer to the the UTD academic calendar (<http://www.utdallas.edu/academiccalendar/>) for important dates, such as university closings and withdrawal deadlines.

### Exam Information

The exams will not be during lecture time. Following are the date and time for the exams. Your instructor will provide the location of your exams during lecture.

| Exam       | Date             | Time           | Location |
|------------|------------------|----------------|----------|
| Exam I     | Friday, Sep 30th | 8:30pm-9:45pm  | TBA      |
| Exam II    | Friday, Nov 11th | 8:30pm-9:45pm  | TBA      |
| Final Exam | Friday, Dec 9th  | 8:00am-10:45am | TBA      |

### Additional Notes

- Failure to show all work and steps in the solution of a problem may result in reduced or zero credit.
- The use of any electronic communications device during class is prohibited.
- Calculators are not allowed in quizzes and exams.
- Failure to regularly check the course in eLearning site is not an excuse.
- The descriptions and timelines contained in this syllabus are subject to change at the discretion of the instructor.

## Tentative Weekly Schedule

| Week | Monday | Textbook Sections | Homework | Quiz   | THQ   | Exam   | No Classes         |
|------|--------|-------------------|----------|--------|-------|--------|--------------------|
| 1    | 08/22  | 1.1, 1.2, 1.3     |          |        |       |        |                    |
| 2    | 08/29  | 1.4, 1.5, 2.1     | HW01     | QUIZ01 | THQ01 |        |                    |
| 3    | 09/05  | 2.2, 2.3, 2.4     | HW02     | QUIZ02 | THQ02 |        | M(Labor Day)       |
| 4    | 09/12  | 2.5, 2.6, 3.1     | HW03     | QUIZ03 | THQ03 |        |                    |
| 5    | 09/19  | 3.2, 3.3, 3.4     | HW04     | QUIZ04 | THQ04 |        |                    |
| 6    | 09/26  | 3.5, 3.7          | HW05     | QUIZ05 | THQ05 | EXAM01 |                    |
| 7    | 10/03  | 3.7, 3.9, 4.1     | HW06     |        |       |        |                    |
| 8    | 10/10  | 4.2, 4.3          | HW07     | QUIZ06 | THQ06 |        |                    |
| 9    | 10/17  | 4.4, 4.5, 5.1     | HW08     | QUIZ07 | THQ07 |        |                    |
| 10   | 10/24  | 5.2, 5, 3, 5.4    | HW09     | QUIZ08 | THQ08 |        |                    |
| 11   | 10/31  | 5.5, 5.6, 5.7     | HW10     | QUIZ09 | THQ09 |        |                    |
| 12   | 11/07  | 8.1, 8.2          | HW11     | QUIZ10 | THQ10 | EXAM02 |                    |
| 13   | 11/14  | 8.3, 8.4, 8.5     | HW12     |        |       |        |                    |
| 14   | 11/21  | –                 |          |        |       |        | MTWRF (Fall-Break) |
| 15   | 11/28  | 8.7, 7.1, 7.2     | HW13     | QUIZ11 | THQ11 |        |                    |
| 16   | 12/05  | Review            | HW14     |        |       | EXAM03 | R (No Class)       |

## Grading Information

|             |  |   |          |                |         |             |         |
|-------------|--|---|----------|----------------|---------|-------------|---------|
| THQs        | Weekly THQs (Take-Home Quizzes) will be assigned. You must download, print-off, complete and staple the THQs. THQs will be posted Tuesday morning in eLearning. THQs must be turned in at the beginning of problem section. It is not possible to turn-in THQs at any other place or time. You will receive a zero for a missed THQ. THQs will not be accepted if they are late, missing a staple or missing a name. Your THQ average will be obtained by dropping your lowest two THQ scores and averaging the rest. Your THQ average will count as 10% of your course grade. |   |          |                |         |             |         |
| Homework    | Homework will be completed out of class using an Internet-based homework system. You will receive a zero for a missed homework. Homework will be due Tuesday nights at 11:59pm. Your homework average will be obtained by dropping your lowest two homework scores and averaging the rest. Your homework average will count as 10% of your course grade.   |   |          |                |         |             |         |
| Quizzes     | Weekly quizzes will be given during problem section. You will receive a zero for a missed quiz. Your quiz average will be obtained by dropping your lowest two quiz scores and averaging the rest. Your quiz average will count as 10% of your course grade.   |   |          |                |         |             |         |
| Exams       | There will be two midterm exams and one comprehensive final exam. You will receive a zero for a missed exam. The final exam cannot be skipped. Each midterm exam will count as 20% of your course grade. The final exam will count as 30% of your course grade.  |   |          |                |         |             |         |
| Attendance  | Attendance is mandatory and will be measured. Your attendance record may be considered when assigning your final course grade.   |   |          |                |         |             |         |
| Grade Scale | A+   | [96.66, ∞)  | A        | [93.33, 96.66) | A–      | [90, 93.33) |         |
|             | B+   | [86.66, 90)   | B        | [83.33, 86.66) | B–      | [80, 83.33) |         |
|             | C+   | [76.66, 80)   | C        | [73.33, 76.66) | C–      | [70, 73.33) |         |
|             | D+   | [66.66, 70)   | D        | [63.33, 66.66) | D–      | [60, 63.33) |         |
|             | F  | (–∞, 60)  |          |                |         |             |         |
| Example     |  | thq grade   | hw grade | quiz grade     | exam 01 | exam 02     | exam 03 |
|             | Grade  | 81  | 91       | 85             | 72      | 86          | 83      |
|             | Weight   | 0.10  | 0.10     | 0.10           | 0.20    | 0.20        | 0.30    |
|             | Course Percent   | $0.10 * 81 + 0.10 * 91 + 0.10 * 85 + 0.20 * 72 + 0.20 * 86 + 0.30 * 83 = 82.20\%$ |          |                |         |             |         |
|             | Course Garde   | B–  |          |                |         |             |         |

## Make-Up Policy

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

## Official UTD Policies

Further information about official UTD policy is available at the following link, and that information is considered to be part of this syllabus. <http://coursebook.utdallas.edu/syllabus-policies/>