2015 Summer Math-2312, Precalculus Version: May 25, 2015

Section	Course Number	Location	Days	Time
2312.0U1	50152	JSOM 12.214	MW	12:30pm-2:45pm

Instructor Information

Instructor	Phone	Office	E-Mail	Office Hours
Mohammad Ahsan	972-883-6336	FO 2.410F	mohammad.ahsan@utdallas.edu	MW 3:15pm-5:15pm

General Course Information

Pre-requisite	A test score of 480 on the SAT II Mathematics Level IC exam or a grade of at least a C- in MATH 1314 and MATH 1316 or equivalent courses.
Course Description	The goal of this course is to provide the student with an understanding of algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions. Additionally, the successful student will gain proficiency in the algebraic manipulation required to succeed in Calculus.
Learning Objectives/ Outcomes	(i) Students will evaluate functions, determine their domains, and be able to find the inverse function if one exists. (ii) Students will perform algebraic operations with polynomial and rational functions, and determine the domains and asymptotes of rational functions. (iii) Students will evaluate and recognize exponential and logarithmic functions, and use their properties to solve exponential and logarithmic equations. (iv) Students will evaluate trigonometric functions, use fundamental trigonometric identities, and evaluate inverse trigonometric functions. (v) Students will solve systems of linear equations.
Recommended Texts	*Precalculus*, 9th Edition, Ron Larson. (https://www.webassign.net/features/textbooks/larpcalc9/details.html) Student Solutions Manual is recommended.
Online Homework	Weekly online homework assignments will be posted in WebAssign. You need to purchase access to this online homework system. Instructions to access WebAssign is posted in eLearning.
Required Supplies	(i) Regular access to a printer. (ii) Regular access to a stapler. (iii) Textbook, calculator, lecture notes and scratch paper should be brought to each class period. Students will be working problems in class.
eLearning	(i) You must check the eLearning course page regularly. (ii) Course assignments and the gradebook will be available through eLearning.
UTD E-mail	Your official UTD E-mail address will be used regularly to send you important course information.
Calculators	Students may use a basic calculator. No calculators with graphing features will be allowed.
Additional Resources	The UTD Math Lab: (http://www.utdallas.edu/studentsuccess/mathlab/)

Tentative Weekly Schedule

Week	Monday	Textbook Sections	Assignments	Wednesday	Textbook Sections	Assignments
1	–	–	–	05/27	$1.1, 1.2$	–
2	06/01	$1.3, 1.4, 1.5$	–	06/03	$1.6, 1.7, 1.8$	–
3	06/08	$1.9, 2.1$	HW1, THQ1, QUIZ1	06/10	$2.2, 2.3, 2.4$	–
4	06/15	2.5, Exam 1 Review	HW2, THQ2, QUIZ2	06/17		Exam 1
5	06/22	$2.6, 3.1$	HW3, THQ3, QUIZ3	06/24	$3.2, 3.3, 3.4$	–
6	06/29	$4.1, 4.2$	HW4, THQ4, QUIZ4	07/01	$4.3, 4.4, 4.5$	–
7	07/06	$4.6, 4.7$	HW5, THQ5, QUIZ5	07/08	$5.1, 5.2, 5.3$	–
8	07/13	5.4, Exam 2 Review	HW6, THQ6, QUIZ6	07/15		Exam 2
9	07/20	$5.5, 6.1$	HW7, THQ7, QUIZ7	07/22	$6.2, 7.1, 7.2$	–
10	07/27	$7.3, 7.4$	HW8, THQ8, QUIZ8	07/29	$10.7, 10.8$	–
11	08/03	Exam 3 Review	HW9, THQ9, QUIZ9	08/05		Exam 3

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

Exam	Date	Time	Location
Exam 1	Wednesday, June 17th	12:40pm-2:10pm	JSOM 12.214
Exam 2	Wednesday, July 15th	12:40pm-2:10pm	JSOM 12.214
Exam 3	Wednesday, August 5th	12:30pm-2:45pm	JSOM 12.214

Grading Information

THQs	Weekly THQs (Take-Home Quizzes) will be assigned. You must download, print-off, complete and staple the THQs. Each THQ will be posted Monday morning in eLearning and is due the following Monday in the beginning of class. 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 THQ score and averaging the rest. Your THQ average will count as 10% of your course grade.
Homework	Homework will be completed out of class using WebAssign. You will receive a zero for a missed homework. Each homework will be posted Monday morning and is due the following Monday at 12:30pm. Your homework average will be obtained by dropping your lowest homework score and averaging the rest. Your homework average will count as 10% of your course grade.
Quizzes	Weekly quizzes will be given on Mondays at the end of class. You will receive a zero for a missed quiz. Your quiz average will be obtained by dropping your lowest quiz score 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+	$[96.66, \infty)$	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	$(-\infty, 60)$				

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/