2016SU-MATH-2414.0U2, Integral Calculus				VERSION: Wednesday 15th June, 2016 10:55
Section	Call No.	Course Meeting Times	ClassRoom	Instructor
2414.0U2	52246	MW 12:30pm–2:45pm	JSOM 12.210	Dr. Jigar Patel

Instructor Information				
Instructor	Phone	Office	E-mail	Office Hours
Dr. Jigar Patel	972-883-6589	FO 2.104	jsp061000@utdallas.edu	MW:11:30am–12:30pm,

Problem Sessions				
Section	Call No.	Course Meeting Times	ClassRoom	Instructor
2414.8U1	52093	M 5:30pm–7:45pm	ATC 2.101	Rathnayake
2414.8U2	52094	M 5:30pm–7:45pm	PHY 1.103	Ahn
2414.8U3	52247	M 5:30pm–7:45pm	SLC 2.304	Dey

TA Information			
Teaching Assistant	Office	E-mail	Office Hours
Lasitha Rathnayake	FO 2.408	lxr111030@utdallas.edu	T: 2:00pm–3:00pm
Sunyoung Ahn	FA 2.106	sxa151130@utdallas.edu	W: 11:30am–12:30pm
Asim Dey	FN 3.118A	akd130230@utdallas.edu	M: 11:15am–12:15pm

General Course Information	
Pre-requisite	A grade of C- or better in either **MATH 2413** or **MATH 2417** or equivalent.
Co-requisite	Students must be enrolled either in **MATH 2414.8U1**, or in **MATH 2414.8U2** or in **MATH 2414.8U3**.
Course Description	Course covers topics in plane and space vectors, the fundamental theorem of calculus, methods of integration, improper integrals, applications of integration, differential equations, parametric equations and polar coordinates, sequences, series convergence tests and power series. There are four lecture hours and two discussion hours a week. Credit is given for only one of MATH 1326 or MATH 2414.
Recommended Texts	*Calculus, Early Transcendentals*, 8^{th} Edition, James Stewart.
Required Supplies	1. Students must purchase WebAssign access code. An electronic version of the textbook is included. 2. A stapler is required for graded homework assignments. 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. 2. Course assignments and the gradebook will be posted through eLearning. `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**. **Summer 2016** UTD Math Lab Hours: Mon – Fri: 10:00am-5:00pm. `http://www.utdallas.edu/GEMS/mathlab/index.html`

Student Learning Objectives/Outcomes	
1	Students will be able to formulate real world problems into mathematical statements.
2	Students will be able to develop solutions to mathematical problems at the level appropriate to each course.
3	Students will be able to describe or demonstrate mathematical solutions either numerically or graphically.
4	Students will be able to describe or demonstrate mathematical solutions either numerically or graphically.

Important Dates	
Mon, Jun 02	Last day to drop without record.
Fri, Jun 17	**WL** begin.
Wed, Jul 11	Last day students may withdraw from a class with **WL**.

Tentative Course Outline

Week	Days	Sections	Exam	GHW Due	Digital HW. Due	Quiz
1	05/23, 05/25	12.1, 12.2, 7.1				
2	05/30, 06/01	Memorial Day, 7.2, 7.3		GHW1(06/01)	DHW1(05/29)	
3	06/06, 06/08	7.4, 7.5, 7.8		GHW2(06/06)	DHW2(06/05)	Q1
4	06/13, 06/15	8.1, 8.2, 9.1, 9.2, 9.3		GHW3(06/13)	DHW3(06/12)	Q2
5	06/20, 06/22	9.4, 9.5	I(06/22)	GHW4(06/20)	DHW4(06/19)	
6	06/27, 06/29	10.1, 10.2, 10.3		GHW5(06/27)	DHW5(06/26)	Q3
7	07/04, 07/06	Independence Day, 10.4, 11.1		GHW6(07/06)	DHW6(07/03)	
8	07/11, 07/13	11.1, 11.2, 11.3		GHW7(07/11)	DHW7(07/10)	Q4
9	07/18, 07/20	11.4, 11.5	II (07/20)	GHW8(07/18)	DHW8(07/17)	
10	07/25, 07/27	11.5, 11.6, 11.7, 11.8		GHW9(07/25)	DHW9(07/24)	Q5
11	08/01, 08/03	11.8, 11.9, 11.10		GHW10(08/01)	DHW10(07/31)	Q6
12	08/08		Final (08/08)	GHW11(08/08)	DHW11(08/07)	

Grading Information

Graded Homework (GHWs)	Graded Homework will be posted on eLearning every Tuesday. GHWs are to be completed outside of class. You must download, print, complete, and staple GHWs. GHWs must be submitted at the beginning of the lecture on the following Monday. GHWs will not be accepted if they are late, missing a staple or missing a name. You will receive a zero for a missed GHW. Your GHW average will be obtained by dropping the lowest score and averaging the remaining scores. The GHW average will count as 10% of your course grade.
Digital Homework (DHWs)	Digital homework will be completed outside of class using an Internet-based homework system. You will receive a zero for a missed homework. Your DHW average will be obtained by dropping your the lowest score and averaging the remaining scores. The DHW average will count as 10% of your course grade.
Quizzes	The quizzes will be taken in the problem section every **Monday** at the end of the problem section, except for the exam weeks. You will receive a zero for a missed quiz. Your quiz average will be obtained by dropping lowest quiz scores and averaging the rest and will count as 15% of your course grade.
Exams	There will be **2** midterm exams. You will receive zero for a missed exam. Exams cannot be dropped or replaced with other assignments. Each midterm worth 20% of your course grade.
Final Exam	There will be a comprehensive final exam. The final exam cannot be dropped or replaced with other assignments. The final exam is 25% of your course grade.
Attendance	Attendance is required and will be taken.
Grade Scale	$A+: [96.66, 100]$ $A: [93.33, 96.66)$ $A-: [90, 93.33)$ $B+: [86.66, 90)$ $B: [83.33, 86.66)$ $B-: [80, 83.33)$ $C+: [76.66, 80)$ $C: [73.33, 76.66)$ $C-: [70, 73.33)$ $D+: [66.66, 70)$ $D: [63.33, 66.66)$ $D-: [60, 63.33)$ $F: [0, 60)$
Example	Here is an example of how to compute your course grade.

thq_average	hw_average	quiz_average	exam_01	exam_02	exam_03	Final
71	85	83	89	81	91	90

Course Percent	$7.1 + 8.5 + 8.3 + 13.35 + 8.1 + 18.2 + 22.5 = 86.05\%$
Course Grade	B

Exam Information

Exam	Name	Date	Starting Time	Location
First Exam	exam_01	Wednesday, Jun. 22	12:30pm–2:00pm	JSOM 12.210
Second Exam	exam_02	Wednesday, Jul. 20	12:30pm–2:30pm	JSOM 12.210
Final Exam	Final	Monday, Aug. 08	12:30pm–2:45pm	JSOM 12.210

Additional Information About Textbook

The minimum, student will need to purchase is the access code for WebAssign related to the course text, as that includes access to the e-book. For further information contact the campus bookstore.

Option	ISBN	Description
Enhanced Web Assign	ISBN-9780538738071	This option contains full text in ebook form, and access to homework.
Calculus Early Transcedentals 7E (Loose-Leaf)	ISBN-9781285111605	This option contains full text in ebook form, loose leaf textbook and access to online homework.
Calculus Early Transcedentals 7E (Hard Bound)	ISBN-9780495962243	This option contains full text in ebook form, hard cover textbook and access to online homework.

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 UTD policies is available at the following link, and that information is considered to be part of this syllabus.

`http://http://coursebook.utdallas.edu/syllabus-policies/`

Additional Notes

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 examinations or classes 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.

To gain access to WebAssign

1. Log into elearning, and select **MATH 2414.0U2-INTEGRAL CALCULUS-Su16**
2. Click the link on the eLearning course homepage entitled Access WebAssign.
3. If you already have a WebAssign account, you will either see the WebAssign course MATH 2414.0U2-INTEGRAL CALCULUS-Su16 at the left or you will see a pull-down menu with courses listed; choose MATH 2414.0U2-INTEGRAL CALCULUS-Su16.
4. A) If you already have a WebAssign account with the text for this course, you should be taken to the WebAssign course MATH 2414.0U2-INTEGRAL CALCULUS-Su16.

   B) If you do not already have a WebAssign account with the text for this course, you will have 3 options to register.
   - a. Purchase access online
   - b. Enter an access code
   - c. Continue with my trial period

5. Once you have registered, you should be taken to the WebAssign course MATH 2414.0U2-INTEGRAL CALCULUS-Su16. Upon subsequent returns, you should only need to repeat steps 1-3.