

Course Syllabus

Fall 2022

Math 2414

Integral Calculus

Section	Time	Room	Instructor
MATH 2414.001	MWF 3:00pm - 3:50pm	SCI 2.210	Bentley Garrett
MATH 2414.002	MWF 4:00pm - 4:50pm	SCI 2.210	Bentley Garrett
MATH 2414.003	MWF 3:00pm - 3:50pm	FO 2.208	Runzhou Liu
MATH 2414.004	MWF 9:00am - 9:50am	FO 1.502	Mieczyslaw Dabkowski
MATH 2414.005	MWF 10:00am - 10:50am	FO 1.502	Rabin Dahal
MATH 2414.006	MWF 11:00am - 11:50am	FO 2.404	Kelly Aman
MATH 2414.007	MWF 12:00pm - 12:50pm	FO 2.208	Kelly Aman
MATH 2414.008	MWF 2:00pm - 2:50pm	FO 1.502	Kelly Aman
MATH 2414.009	MWF 3:00pm - 3:50pm	FO 2.702	Kelly Aman
MATH 2414.010	MWF 4:00pm - 4:50pm	FO 2.208	Runzhou Liu
MATH 2414.011	MWF 12:00pm - 12:50pm	FO 1.502	Anh Tran
MATH 2414.013	MWF 11:00am - 11:50am	FO 2.208	Runzhou Liu
MATH 2414.014	MWF 11:00am - 11:50am	FO 1.502	Anh Tran

Instructor Information

Instructor: Dr. Kelly Aman

E-Mail: Kelly.Aman@utdallas.edu

Phone: 972-883-6588 (leave message)

Office: FO 2.410 D

Office Hours: MWF 10am-10:50am, or by appt.

Instructor: Dr. Rabin Dahal

E-Mail: Rabin.Dahal@utdallas.edu

Phone: 972-883-6584

Office: FO 2.410 B

Office Hours:

Instructor: Dr. Runzhou Liu

E-Mail: runzhou.liu@utdallas.edu

Phone: 972-883- 6424

Office: FN 2.208

Office Hours:

Instructor: Dr. Mieczyslaw Dabkowski

E-Mail: mdab@utdallas.edu

Phone: 972-883-4435

Office: FO 2.408 D

Office Hours:

Instructor: Dr. Bentley Garrett

E-Mail: bentley.garrett1@utdallas.edu

Phone: 972-883-4236

Office: FA 2.406

Office Hours: TR 3:30pm – 5pm

Instructor: Dr. Anh Tran

E-Mail: att140830@utdallas.edu

Phone: 972-883- 6587

Office: FO 3.704 F

Office Hours: MW 10am – 10:50am

Course Pre-requisites, Co-requisites, and/or Other Restrictions

Prerequisite: A grade of C- or better in either MATH 2413 or MATH 2417 or equivalent.

Co-requisites: Enrollment in one of the following problem sections is **mandatory**.

Section	Time	Room	Instructor	E-mail (...@utdallas.edu)
MATH 2414.301	T 8:00am - 9:50am	SCI 3.270	Jimi Kim	jxk200001
MATH 2414.302	R 8:00am - 9:50am	SCI 3.270	Brighton Nuwagira	bxk210001
MATH 2414.303	T 10:00am - 11:50am	SCI 3.270	Jimi Kim	jxk200001
MATH 2414.304	R 10:00am - 11:50am	SCI 3.270	Oluwadamilola Oyekan	oao200001
MATH 2414.305	T 1:00pm - 2:50pm	SCI 3.270	Dona Gammune	dvg190000
MATH 2414.306	R 1:00pm - 2:50pm	SCI 3.270	Jiacheng Li	jxl210004
MATH 2414.307	T 3:00pm - 4:50pm	SCI 3.270	John Kenney	jfk150030

MATH 2414.308	R 3:00pm - 4:50pm	SCI 3.270	Sakshi Malhotra	sxm180207
MATH 2414.310	R 8:00am - 9:50am	SCI 3.260	Nusma Rahman	nxr200054
MATH 2414.311	T 1:00pm - 2:50pm	SCI 3.260	John Kenney	jfk150030
MATH 2414.312	R 1:00pm - 2:50pm	SCI 3.260	Sakshi Malhotra	sxm180207
MATH 2414.313	T 3:00pm - 4:50pm	SCI 3.260	Dona Gammune	dvg190000
MATH 2414.314	R 3:00pm - 4:50pm	SCI 3.260	Mahesh Ranpati	mkr200000
MATH 2414.315	T 8:00am - 9:50am	SCI 3.240	Nusma Rahman	nxr200054
MATH 2414.317	T 1:00pm - 2:50pm	SCI 3.240	Sharaf Anjum	sxa220040
MATH 2414.318	R 1:00pm - 2:50pm	SCI 3.240	Sharaf Anjum	sxa220040
MATH 2414.319	T 10:00am - 11:50am	SCI 3.240	Oluwadamilola Oyekan	oao200001
MATH 2414.320	R 10:00am - 11:50am	SCI 3.240	Lucas Seiffert	lxs190035
MATH 2414.323	T 3:00pm - 4:50pm	SCI 3.220	Jason Stack	jcs220002
MATH 2414.324	R 3:00pm - 4:50pm	SCI 3.220	Jason Stack	jcs220002
MATH 2414.325	T 10:00am - 11:50am	SLC 3.102	Lucas Seiffert	lxs190035
MATH 2414.326	R 10:00am - 11:50am	SLC 3.102	Brighton Nuwagira	bxb210001
MATH 2414.327	T 3:00pm - 4:50pm	SLC 3.102	Tamim Ali	mxt220007
MATH 2414.328	R 3:00pm - 4:50pm	SLC 3.102	Tamim Ali	mxt220007
MATH 2414.329	R 10:00am - 11:50am	SLC 1.202	Mahesh Ranpati	mkr200000
MATH 2414.330	R 10:00am - 11:50am	CB3 1.310	Jiacheng Li	jxl210004
MATH 2414.331	R 3:00pm - 4:50pm	CB3 1.304	Ibrahim Sajal	ixs180023

During problem section, the TA will:

- review class material and relevant material from prerequisite courses
- return and discuss quizzes and exams
- work problems or have students work problems
- entertain questions
- **administer quizzes**

Learning mathematics is a time consuming endeavor which provides rich rewards. Like learning a new language, the more time you spend with mathematics the better your comprehension. It is expected that a typical student will spend 3 hours studying outside of class for every hour inside class. Thus, in **MATH 2414**, one should expect to spend at least **9-12** hours studying each week. You will be assigned homework and practice problems that are consistent with this number of hours.

Course Description

Continuation of Math 2413. Course covers topics in integral calculus, sequences and series. Topics include techniques of integration, improper integrals, and applications. Polar coordinates, parametric equations, and arc length. Infinite sequences and series, tests for convergence, power series, radius of convergence and Taylor series. Three lecture hours and two discussion hours a week; registration in a problem section as well as the exam section is required with Math 2414. Not all MATH/STAT courses may be counted toward various degree plans. Please consult your degree plan to determine the appropriate MATH/STAT course requirements. Cannot be used to replace Math 2419.

Student Learning Objectives/Outcomes

- (1) Students will be able to formulate real world problems into mathematical statements.
 - Given a narrative description of a problem that lends itself to mathematical analysis, the student will clearly define any variables introduced and provide an appropriate function or formula relating those variables.
- (2) Students will be able to develop solutions to mathematical problems at the level appropriate to each course.
 - The student will evaluate an indefinite or definite integral of a continuous function.
 - Students will determine the convergence or divergence of an improper integral or an infinite series.
- (3) Students will be able to describe or demonstrate mathematical solutions either numerically or graphically.
 - Students shall provide a qualitative, planar sketch which clearly indicates prescribed attributes.

- Students will provide numerical results in a prescribed manner, as a percent, an interval, or within a specified error bound.

Required Textbooks, Materials and Additional Resources

- **Text:** Printed version: *Calculus, Early Transcendentals*, 8th Edition, by James Stewart.
- Options: 1) Access code to Enhanced WebAssign (includes digital copy of the text.)
Multi-term ISBN: [9781337771504](#)
Single-term ISBN: [9781337771498](#)
- 2) Loose leaf copy of the text bundled with Enhanced WebAssign access code
ISBN: [9781305710306](#)
- 3) Hardbound text bundled with Enhanced WebAssign access code
ISBN: [9781305779136](#)
- 4) Cengage Unlimited (includes access to WebAssign and all books offered by Cengage)
- **eLearning:** <http://elearning.utdallas.edu> You must enter your NETID username and password to logon to eLearning. You will need to access the course **MATH 2414 701: INTEGRAL CALCULUS – F22**. Here, you will find the syllabus, problem sets, handouts, etc., as well as a record of your grades, and access to WebAssign (details below) Any messages/e-mails concerning the class will also appear on eLearning. To send an email via eLearning, just click the Mail link/icon, click Compose Message, click Browse, and select the name.
- **Solutions manual:** The Student Solutions Manual is recommended.
- **Peer Lead Team Learning (PLTL):** PLTL is an academic support program sponsored by the Student Success Center. PLTL provides a learning experience for students who meet in small groups once a week with a Peer Leader who helps guide them through problems related to this course. PLTL sessions meet once a week for 1 1/2 hours with a group of up to eight students and one leader. You should be receiving an email explaining how to apply.
- **Calculators:** On very rare occasions, a scientific calculator is needed. Graphing calculators, programmable calculators, calculators with non-numeric displays, or any calculators that perform calculus operations are NOT ALLOWED on quizzes or exams.

Homework Assignments

There will be about 14 digital homework sets (DHWs) and about 5 handwritten homework sets (GHWs). **Each week, the DHWs will be assigned on WebAssign. These assignments will be posted each Monday morning and will be due by 11:59pm the following Monday. (See schedule for due dates.) GHWs will be posted in pdf form (with instructions at the top) on eLearning. You will be notified later in class and/or by email when these assignments will be posted and due. (The tentative GHW schedule is below.)**

WebAssign contains an equation editor which allows you to present your solutions in a mathematically correct form – beware parentheses. Once you submit a solution, it is graded immediately – for some problems you will have multiple attempts at the solution, for others only one attempt. Assignment grades will be transferred to eLearning – there will be NO late homework.

To gain access to WebAssign

1. Log into elearning, and select MATH 2414 701: INTEGRAL CALCULUS – F22
2. Click the link on the eLearning course homepage entitled “Access WebAssign.”
3. You may be asked to set up an account at this point. This is for Cengage Unlimited registration, which is completely optional (details are provided in eLearning). In any case, set up this account.
4. At this point,
 - A) if you already have a UTD WebAssign account with the text for this course, you should have access to WebAssign course MATH 2414.

B) if you do not already have a UTD WebAssign account with the text for this course, you will have 3 options to register.

- a) "Purchase access online" if you do not already have an access code and you want to buy access to the ebook and homework problems without printed text.
- b) "Enter an access code" if you have already purchased an access code.
- c) "Continue my trial period" if you want to start using the system before purchasing. The deadline is given in red.

Once you have registered, you should now have access to the WebAssign course MATH 2414. Upon subsequent returns, you should only need to repeat steps 1-2.

Grade Policy

The course grade is determined from the following:

Weights:	10%	DHWs scaled to 100%	
	10%	GHWs scaled to 100%	
	15%	Quizzes scaled to 100%	
	40%	Exam 1 and Exam 2, combined	
	25%	Final Exam	
Grade Scale	[96.5,100].....A+	[92.5,96.5).....A	[89.5,92.5).....A-
	[86.5,89.5).....B+	[82.5,86.5).....B	[79.5,82.5).....B-
	[76.5,79.5).....C+	[72.5,76.5).....C	[69.5,72.5).....C-
	[66.5,69.5).....D+	[62.5,66.5).....D	[59.5,62.5).....D-
	[0 ,59.5).....F		

- Homework will constitute 20% of your course grade. There will be around 14 digital homework sets (DHWs) and about 5 handwritten homework sets (GHWs). The lowest 2 scores of the DHWs (**except the last DHW**) will be dropped and the lowest single score of the GHWs (**except the last GHW**) will be dropped. The average of the remaining DHW scores will constitute 10% of the course grade, and the average of the remaining GHW scores constitute 10% of the course grade. **Again, the last DHW and the last GHW CANNOT be dropped.**
- Quizzes will constitute 15% of your course grade. There will be around 11 quizzes. The lowest 2 scores will be dropped (**except the last quiz**), and the remaining scores will be scaled to 100%. Each quiz will be administered during the problem section and will be returned to you at the next meeting of your problem section. **Again, the last quiz CANNOT be dropped.**
- Major exams constitute 40% of your course grade. The lower of the 2 major exam grades will constitute 15% of the course grade; the greater will constitute 25%. You will be notified in class of any change in time or venue prior to the date of the exam. Graded exams will be returned during problem section.
Exam 1: 9/30, 7:00-8:15pm, Venue: TBA
Exam 2: 11/4, 7:00-8:15pm, Venue: TBA
- Final exam - is not optional, is comprehensive, and constitutes 25% of your course grade. Final exams are not returned to the student but are held for review for one year.
Final Exam: TBD

Schedule (subject to change)

Wk	Mon		Wed		Fri		Prob Sec
1	8/22	Introduction, Syllabus, Sec 12.1	8/24	Sec. 12.1/12.2	8/26	Sec. 12.2	
2	8/29	Sec. 7.1 DHW1 due 11:59pm	8/31	Sec. 7.1/7.2	9/2	Sec. 7.2	Qz 1
3	9/5	Labor Day DHW2 due 11:59pm	9/7	Sec. 7.3	9/9	Sec: 7.3/7.4	Qz 2
4	9/12	Sec. 7.4 DHW3 due 11:59pm	9/14	Sec. 7.5	9/16	Sec. 7.8	Qz 3
5	9/19	Sec. 7.8/8.1 DHW4 due 11:59pm GHW1 posted	9/21	Sec. 8.1	9/23	Sec. 8.2	Qz 4
6	9/26	Sec. 9.1 DHW5 due 11:59pm	9/28	Sec. 9.2/9.3 GHW2 posted	9/30	Sec. TBD Exam1 7:00-8:15p Venue TBA	GHW1 due
7	10/3	Sec. 9.3/9.4 DHW6 due 11:59pm	10/5	Sec. 9.4/9.6	10/7	Sec. 9.6/10.1 GHW3 posted	Qz 5
8	10/10	Sec. 10.1 DHW7 due 11:59pm	10/12	Sec.10.2	10/14	Sec. 10.2/10.3	Qz 6 GHW2 due
9	10/17	Sec. 10.3 DHW8 due 11:59pm	10/19	10.3/10.4	10/21	Sec. 10.4	Qz 7
10	10/24	Sec.10.4/11.1 DHW9 due 11:59pm GHW4 posted	10/26	Sec. 11.1	10/28	Sec. 11.2	Qz 8 GHW3 due
11	10/31	Sec. 11.2/11.3 DHW10 due 11:59pm	11/2	Sec.11.3	11/4	Sec. TBD Exam2 7:00-8:15p Venue TBA	
12	11/7	Sec. 11.4 DHW11 due 11:59pm	11/9	Sec. 11.4/11.5	11/11	Sec. 11.5/11.6 GHW5 posted	Qz 9
13	11/14	Sec. 11.6 DHW12 due 11:59pm	11/16	Sec. 11.6/11.7	11/18	Sec. 11.7/11.8	Qz10 GHW4 due
14	11/21	FALL	11/23	BREAK	11/25	HOLIDAY	Qz11
15	11/28	Sec. 11.8 DHW13 due 11:59pm	11/30	Sec. 11.9	12/2	Sec. 11.9	
16	12/5	Sec. 11.10 DHW14 due 11:59pm	12/7	Last day of class, Sec. 11.10	12/9		Qz12 GHW5 due
Final Exam: TBD							

Course & Instructor Policies

Attendance: Daily attendance may be taken.

Citizenship: Any action that disturbs your classmates or interrupts the lecture is unacceptable. Examples of such actions are:

- (a) Entering the classroom late - be as punctual as possible.
- (b) Leaving the classroom before break or before the end of lecture.
- (c) Cell phones, ringers, buzzers, beepers, alarms, blackberries - turn them off! unless you are a member of an emergency response team.

An apology is expected from anyone creating such a disturbance.

Student participation in class is desired, however, please raise your hand to speak and avoid having side conversations with your classmates.

There will be **no extra credit**

Assignment policies

We “drop” the two lowest DHW, two lowest quiz, and one lowest GHW to account for possible missed work due to personal circumstances. As such, makeup quizzes or homework would only be allowed in extreme circumstance involving extended absences, in which case you should contact your instructor immediately to discuss the situation. Also note the following:

- (a) There will be no make-up exams unless proof of a valid excuse is given.
- (b) Exams and quizzes are closed book, without notes, and without graphing calculators.

(c) **SHOW ALL WORK** on quizzes and exams. Unsupported answers are considered miracles and, however inspirational, will receive little or no credit. Graded quizzes and major exams will be returned to you as soon as possible. Any document not picked up by the end of finals week will be destroyed.

Technical Support

If you experience any problems with your UTD account you may send an email to: assist@utdallas.edu , or call the UTD Computer Helpdesk at 972-883-2911.

Intercollegiate Competitions

Students involved in a UTD sanctioned competitive activity must supply the instructor with a letter certifying his/her eligibility to participate in such a competition. Said letter may be obtained from the Intercollegiate Compliance Officer. It is the students' responsibility to discern scheduling conflicts and to inform the instructor well in advance of a class, quiz, or exam that will be missed due to a competition. The instructor will make reasonable accommodation to resolve the conflict.

Field Trip Policies

Off-campus Instruction and Course Activities

Off-campus, out-of-state, and foreign instruction and activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at the website address http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm. Additional information is available from the office of the school dean. Below is a description of any travel and/or risk-related activity associated with this course.

Student Conduct & Discipline

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD printed publication, *A to Z Guide*, which is provided to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the *Rules and Regulations, Series 50000, Board of Regents, The University of Texas System*, and in Title V, Rules on Student Services and Activities of the university's *Handbook of Operating Procedures*. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391) and online at <http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-HOPV.html>

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

Academic Integrity

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic Dishonesty, any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.

Copyright Notice

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted materials, including music and software. Copying, displaying, reproducing, or distributing copyrighted works may infringe the copyright owner's rights and such infringement is subject to appropriate disciplinary action as well as criminal penalties provided by federal law. Usage of such material is only appropriate when that usage constitutes "fair use" under the Copyright Act. As a UT Dallas student, you are required to follow the institution's copyright policy (Policy Memorandum 84-I.3-46). For more information about the fair use exemption, see <http://www.utsystem.edu/ogc/intellectualproperty/copypol2.htm>

Email Use

The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts.

Withdrawal from Class

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.

Student Grievance Procedures

Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's *Handbook of Operating Procedures*.

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates (hereafter called "the respondent"). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level, the grievance must be submitted in writing to the respondent with a copy of the respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.

Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.

Incomplete Grade Policy

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **F**.

Office of Student Accessibility

The goal of the OSA is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Their contact information is:

studentaccess@utdallas.edu
972-883-2098
Office: AD 2.224
Mon-Fri 8 a.m. to 5:00 p.m.

If you anticipate issues related to the format or requirements of this course, please meet with the Coordinator of Disability Services. The Coordinator is available to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Services to notify them of your eligibility for reasonable accommodations. Disability Services can then plan how best to coordinate your accommodations.

It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

Religious Holy Days

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.

The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

These descriptions and timelines are subject to change at the discretion of the Professor.