			Cou	ırse Title		Spreadshe	et Mode	ling & Analyt	ics		
				Course		OPRE 633	2				
				Term		Summer	2015				
						Section	Day	Time		Location	
						5U2	WED	6.00 PM - 10	0.00 PM	12.206	
						5U1	THU	6.00 PM - 10	0.00 PM	12.202	
Professor's Co	ntact Inform	ation_									
				Р	rofessor	Kann	an Rama	nathan	-	•	
Office Phone					e Phone	(972)	(972) 883-5953				
Office Location					JSOM 3.622						
	Email Address					Kann	an.Rama	nathan@UTI	Dallas.Edu	1	
				Offi	ce Hours	Mon	5:30 PM	- 6:30 PM (a _l	ppointme	nts preferred)	
Teaching Assis	tant for Sect	ion 5U1									
					Name	Xi Sh	an	•	-		
	-			Office	Location	JSOM 13.321					
				Email	Address	xxs13	xxs130630@utdallas.edu				
				Offi	ce Hours	Fri 6	pm-7 pn	า			
Teaching Assis	tant for Sect	ion 5U2									
					Name	Chun	gseung L	ee	-		
				Office	Location	JSON	1 14.209				
				Email	Address	cxl143430@utdallas.edu					
				Offi	ce Hours	Tue 7	7 pm-9 pr	n			

Course Description

This course introduces the basic concepts of model building and encourages students to take an analytical view of business decision making. Microsoft Excel (Version 2013, Windows Environment) is used to build models. The course covers concept effective spreadsheet design and use, and students acquire knowledge about specific decision making techniques for busin such as optimization. Students build spreadsheet models to identify choices, formalize trade-offs, specify constraints, perf sensitivity analyses, and analyze the impact of uncertainty. Applications in supply chain management, transportation, marketing and finance are examined. Note: This is a fun, but demanding, course. Each week, you should be able to complete to fitme to prepare for each class, and to complete homework assignments which are a significant part of your grade.

Learnir	ng Obje	ectives							
		At the	conclusion	of this cour	se, the st	udent should	l:		
	1.	demonstrate expertise in using I	Excel						
	2.	be able to identify the conceptu	al structure	of a decisio	n				
	3.	understand the logic associated	with the co	mponents a	nd proce	ss of model o	developm	ent	
	4.	assess the significance and limit	ssess the significance and limitations of model outputs for managerial insights and action						
	5.	appreciate the power and limita	tions of MS	Excel in mo	deling				
	6.	appreciate the potential of man	ppreciate the potential of management science in addressing management issues						
	7	effectively communicate the analytical process, results, implications							
Require	ed Text								
Introdu	uction 1	to Spreadsheet Modeling and Ana	lytics						
by Kan	nan Ra	ımanathan - Use Third Edition Onl	У						
Also Re	equirec	<u>d:</u>							
Excel 2	2013 O	NLY (Windows platform preferred)						
You car	n use a	Mac; but note that I am not fami	liar with Ma	С					
		Do	not come t	o class with	out a lap	otop			
		Note: make	sure you hav	e Excel 201	.3 and no	other versio	<u>n</u>		
		Please DO NOT SIG	N UP FOR TH	IIS COURSE	if you do	not have Ex	cel 2013		
Flashdı	rive - w	vith at least 0.5 GB		Bring your					

Assignments & Academic Calendar

The following is a tentative schedule, which I will try to follow as closely as possible. Should any changes become necessar will announce it class.

FOR EACH QUIZ AT THE TESTING CENTER, YOU NEED TO RESERVE YOUR SEAT

Wed	May-27	6.00 PM	Chapters	s 1 through	า 8					
Thu	May-28	6.00 PM								
Wed	Jun-03	6.00 PM	Quiz I	Chapters:	1 - 8	At Testin	g Center fro	m 6:00 pn	n to 6:30 pm	
Thu	Jun-04	6.00 PM	Class wil	ll start at 6	:45 pm	Chapters	9 through 1	7		
Wed	Jun-10	6.00 PM	Quiz II	Chapters:	9 - 17	At Testin	g Center fro	m 6:00 pn	n to 6:30 pm	
Thu	Jun-11	6.00 PM	Review o	of last quiz						
			Class wil	ll start at 6	:45 pm	Chapter	18			
	Thu Wed Thu Wed	Thu May-28 Wed Jun-03 Thu Jun-04 Wed Jun-10	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Thu Jun-04 6.00 PM Wed Jun-10 6.00 PM Thu Jun-11 6.00 PM	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Thu Jun-04 6.00 PM Class will Wed Jun-10 6.00 PM Quiz II Thu Jun-11 6.00 PM Review of	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: Thu Jun-04 6.00 PM Class will start at 6 Wed Jun-10 6.00 PM Quiz II Chapters: Thu Jun-11 6.00 PM Review of last quiz	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: 1 - 8 Thu Jun-04 6.00 PM Class will start at 6:45 pm Wed Jun-10 6.00 PM Quiz II Chapters: 9 - 17	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: 1 - 8 At Testin Thu Jun-04 6.00 PM Class will start at 6:45 pm Chapters Wed Jun-10 6.00 PM Quiz II Chapters: 9 - 17 At Testin Thu Jun-11 6.00 PM Review of last quiz	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: 1 - 8 At Testing Center from Thu Jun-04 6.00 PM Class will start at 6:45 pm Chapters 9 through 1 Wed Jun-10 6.00 PM Quiz II Chapters: 9 - 17 At Testing Center from Thu Jun-11 6.00 PM Review of last quiz	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: 1 - 8 At Testing Center from 6:00 pm Thu Jun-04 6.00 PM Class will start at 6:45 pm Chapters 9 through 17 Wed Jun-10 6.00 PM Quiz II Chapters: 9 - 17 At Testing Center from 6:00 pm Thu Jun-11 6.00 PM Review of last quiz	Thu May-28 6.00 PM Wed Jun-03 6.00 PM Quiz I Chapters: 1 - 8 At Testing Center from 6:00 pm to 6:30 pm Thu Jun-04 6.00 PM Class will start at 6:45 pm Chapters 9 through 17 Wed Jun-10 6.00 PM Quiz II Chapters: 9 - 17 At Testing Center from 6:00 pm to 6:30 pm Thu Jun-11 6.00 PM Review of last quiz

4	Wed	Jun-17	6.00 PM	Quiz III	Chapter 18	At Testing Center from 6:00 pm to 6:45 pm
	Thu	Jun-18	6.00 PM	Review	of last quiz	
				Chapter	s 19 - Introduction t	to Spreadsheet Modeling
				Chapter	s 19 - What-If Analy	ses, Goal Seek, One-Way, Two-Way Data Tables
5	Wed	Jun-24	6.00 PM	No quiz	today - Class starts	at 6pm
	Thu	Jun-25	6.00 PM	Review	of last quiz	
				Chapter	s 20 - Introduction t	to Spreadsheet Modeling
				Introduc	tion to Optimizatio	n
				Introduc	tion to Optimizatio	n - Graphical Approach
5	Wed	Jul-01	6.00 PM	Quiz IV	Chapters 19 - 20	At Testing Center from 6:00 pm to 7:00 pm
	Thu	Jul-02	6.00 PM	Class wi	ll start at 7:15 pm	
	•			Linear P	rogramming	
				(the foll	owing topics may be	e dropped if we do not have time)
					Array Functions	
					ndex and Match Fu	inction
				(Offset Function	
					Dynamic Range nan	nes
7	Wed Jul-08 6.00 PM			No quiz	today - Class starts	at 6pm
	Thu	Jul-09	6.00 PM	Review	of last quiz	
				Chapter	s 21-22	
				Analyzir	g DataSets	
					nd Queries	
				Pivot Ta		
				Calcu	lated Fields in Pivot	t Tables
8	Wed	Jul-15	6.00 PM		Chapters 21-22	At Testing Center from 6:00 pm to 7:00 pm
	Thu	Jul-16	6.00 PM	Introduc	tion to Macros	1
	Wed	Jul-22	6.00 PM	No quiz	today - Class starts	at 6pm
	Thu	Jul-23			of last quiz	·
				Introduc	tion to Macros (cor	nt'd)
10	Wed	Jul-29	6.00 PM	Introduc	tion to Macros (cor	nt'd)
	Thu	Jul-30	6.00 PM		,	•
11	Wed	Aug-05	6.00 PM	Quiz VI	Quiz VI 5 pm-9:30	pm on 5th/6th August at Testing Center
	Thu	Aug-06	6.00 PM		-	comprehensive - all material covered so far
					No class today	

The course focuses on learning-by-doing. It involves a combination of lectures and extensive class discussions and student presentations, of materials from the textbook. My intent is to help you think through the issues in a given context, and to be you articulate your arguments in class discussions clearly and concisely. Students are expected to read the assigned mater before coming to class, and to attend all classes. The course grades will be based on the weights shown below:

	Attendance/home	attendance/homework assignments/presentation/class participation					
	Quiz I	Chapters 1 - 8					
	Quiz II	Chapters 9 - 17					

Quiz	Ш	Chapt	Chapter 18			Quiz I through V: 15% each				
Quiz	IV	Chapt	ers 19 - 20)		I will tak	will take the best four for each student			
Quiz	v	Chapt	ers 21 - 22	2		Quiz VI:	30%			
Quiz	VI	Comp	Comprehensive							
Pena	Ity for mi	issing class (each inst	ance)						-2%
1 1	•	e after atten				ted as be	ing absent			
Pena	Ity for no	t being read	g ready to present homework (each instance)							-3%
Pena	lty for ce	ll Phone or i	Phone or internet use dur			n instance	e)			-5%
Class Attenda	nce, Parti	icipation, Pro	ofessiona	Conduc	<u>t</u>					
and during gu you to mainta	est lectui in profes THE INT	res. Class pa sional condu ERNET ARE S	rticipatio uct and de	n require	es your stud	dying clas ass room	s material . USE OF	s before th	nd extent of disc ne class. I will al NES, TEXTING, EI I CARRIES A PEN	lso expe
Pleas	e Note:									
Grad	es will No	OT be curved	l.							
Ther	e are no r	nake up quiz	zzes.							
You	need to a	ttend the se	ction for v	vhich yo	u are regist	ered.				
I can	not resch	edule any ex	cam to a c	lifferent	date - plea	se do not	ask.			
	-	ur exam for ther tests or				on (sick, a	accident et	c.) I will ta	ake the average	of your

Grades will be ba	ased on the followir	ng point ranges which ma	y differ from other courses:		
Point Range	Grade	Point Range	Grade	Point Range	Grade
93 - 100	A	86 - 89	B+	75 - 79	C+
90 - 92	A-	83 - 85	В	70 - 74	С
		80 - 82	B-	0 - 69	F

Student Conduct and 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 abou the rules and regulations which govern student conduct and activities. General information on student conduct and discip is contained in the UTD 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, Board of Regents, The University of Texas Sys Part 1, Chapter VI, Section 3, and in Title V, Rules on Student Services and Activities of the university's Handbook of Operat Procedures. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where stamembers are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391).

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to a 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 or criminal penalties are also imposed for such conduct.

Academic Integrity

The faculty and administration of the School of Management expect from our 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 schola work. We want to establish a reputation for the honorable behavior of our graduates, which extends throughout their care Both your individual reputation and the school's reputation matter to your success.

The Judicial Affairs website lists examples of academic dishonesty. Dishonesty includes, but is not limited to cheating, plagiarism, collusion, facilitating academic dishonesty, fabrication, failure to contribute to a collaborative project and sabor See http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-Basicexamples.html for details.

Plagiarism on written assignments, especially from the web, from portions of papers for other classes, and from any other source is unacceptable. On written assignments, this course may use the resources of turnitin.com, which searches the well plagiarized content and is over 90% effective.

During tests and quizzes, students in this section are not allowed to have with them any food or drinks, scratch paper, cour materials, textbooks, notes, invisible ink pens, or electronic devices, including IPads, IPhones, IPods, MP3 Players, earphon radios, smart phones, cameras, calculators, multi-function timepieces, or computers. When possible, students should sit in alternating seats, face forward at all times, and remove any clothing which might conceal eye movements, reflect images o another's work, or hide course material for copying.

Exam proctors will monitor any communication or signaling between students by talking, whispering, or making sounds, or using your hands, feet, other body movements, the test paper itself or your writing implement.

Students in this course suspected of academic dishonesty are subject to disciplinary proceedings, and if found responsible, following minimum sanctions will be applied:

- 1. Homework Zero for the Assignment
- 2. Case Write-ups Zero for the Assignment
- 3. Quizzes Zero for the Quiz
- 4. Presentations Zero for the Assignment
- 5. Group Work Zero for the Assignment for all group members
- 6. Tests F for the course

These sanctions will be administered only after a student has been found officially responsible for academic dishonesty, eit through waiving their right for a disciplinary hearing, or being declared responsible after a hearing administered by Judicia Affairs and the Dean of Student's Office.

In the event that the student receives a failing grade for the course for academic dishonesty, the student is not allowed to withdraw as a way of preventing the grade from being entered on their record. Where a student receives an F in a course a chooses to take the course over to improve their grade, the original grade of F remains on their transcript, but does not coutowards calculation of their GPA.

The School of Management also reserves the right to review a student's disciplinary record, on file with the Dean of Studer as one of the criteria for determining a student's eligibility for a scholarship.

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 an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dal 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 a published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility 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 o

Student Grievance Procedures

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

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibilities the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administration 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 respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student r submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student ma make a written appeal to the Dean of Graduate or Undergraduate Education, and the deal will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process 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 available to assist students in interpreting the rules and regulations.

Incomplete Grades

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and onl 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first c 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.

Special Assistance

For help with test anxiety or time management, the following resources are available: your academic advisor, the Learning Resource Center (MC2.402), the Counseling Center (SU1.608), the New Student Programs Office (SU1.610), your instructor.

Disability Services

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union.

The contact information for the Office of Disability Services is:
The University of Texas at Dallas, SU 22
PO Box 830688
Richardson, Texas 75083-0688
(972) 883-2098 (voice or TTY)

Essentially, the law requires that colleges and universities make those reasonable adjustments necessary to eliminate discrimination on the basis of disability. For example, it may be necessary to remove classroom prohibitions against tape recorders or animals (in the case of dog guides) for students who are blind. Occasionally an assignment requirement may I substituted (for example, a research paper versus an oral presentation for a student who is hearing impaired). Classes enrestudents with mobility impairments may have to be rescheduled in accessible facilities. The college or university may need provide special services such as registration, note-taking, or mobility assistance.

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 ho

Religious Holy Days

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observant 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 advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student v 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 do 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 TE 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

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 procedu regarding travel and risk-related activities. Information regarding these rules and regulations may be found at http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm. Additional information is available from the office o school dean.

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