	JM-St.Louis BA	BA 3320 - INT <i>Fall, 2007 Prerequisites</i> Text: Operations Manage Other course materials w - 60% Two Exams. - 10% Original Rese - 15% three Comput - 15% quizzes no n	s: Econ. 1001, gement by Hei will be distrib One surface a earch Report us ter Exercises (I nakeups, lowes	Stat. 3300, Acctg. 241 izer/Render, recent (uted on the web and rea 8.5 X 11" two-side ing LP/Solver, pivottab ndividual) Late Penalty st will be dropped	10, computer s or flexible) Ec on CD. d page of notes oles or Monte C	skills equiv. to E In. POM for Wir c, Collaboration pr Carlo Simulation-I lass deadline.	BA1800 ndows CD, rohibited	
		"When you try to pull just one thing out of the Universe, you find it attached to everything else."John Muir			Campus off-campu	Campus CCB 230, 314-516-6136 off-campus 636-394-4950		
A	<u>Approx</u> <u>Weel</u>	<u>k Topics (tentative</u>)	<u>Chapter</u>	E-mail: ba	a3320@budbanis	.com	
W	Veek 1	Introduction & Overview	v of tools		Website:	www.umsl.edu	ı/~banisr	
	Maki	ng Quality Decisions						
		Decision models: risk ave	oidance vs. ris	sk management		module A, p.523	3	
И	Veek 2	Decision trees and value of information				110 dalle 11, p.0-20		
•	VCCK 2	Joint events-reliability an				Chapter 17		
та	Veek 3	Cost Structures		y				
V	veek 5					Chapter 7S	I - 1 1	
		Spreadsheet Budgeting				(NIB)	Laborday	
		"Location" Break even Ar	nalysis			Chapter 8	Sep 3	
		Factor rating						
W	Veek 4	Game theory, the cooperation dilemma				(NIB) , Videos		
		Statistical Process Control & Total Quality Management (TQM) Simpson's Paradox exposition using EXCEL pivotTables				M) Ch.6 S (NIB), Videos		
	Facilities /Capacity and Location Planning:							
тл	Veek 5					Module C		
v		<i>nization models</i> Linear Optimization Models Computer Solutions using Excel Solver						
					Handouts & Videos			
	Veek 6					Module B Module B, e.g. p544		
W	Veek 7							
		Exan	n #1 - Wednesc	lay, October 10				
	Micro	scheduling/ job sequencing			-			
тл	Veek 8			col Solver		Chapter 15		
	Veek 9	Job Matching -Assignment Method-Excel Solver Process Priority Rules-Excel/ POM-Win				17-25		
	Veek 10	Queuing: Infinite Source				Module D		
V	Veek 11	Simulation modeling (EXTEND)				Course CD, Videos		
	Sched	uling & Inventory Manager						
W	Veek 12	Aggregate Planning - for	ecasting & scł	neduling		Chapter 13		
		EOQ Model & Quantity discounts				handouts, Chapter 12		
W	Veek 13-14	Service Level, Safety Stock & shortages; Reorder Point vs. Fixed Interval						
		Economic Run Size (ERS), Make vs. Buy & JIT Single Period, Just in Time Philosophy						
					, just in find	. I Illiosophy		
т.	A71 - 1 F	New Process Development and Efficiency					EXC grades	
	Veek 15	Project management, CPM & PERT Learning Curves				Chapter 3	available unt	
N	Veek 16					Module E Last drop Da		
		Efficiency, Time & Motion Studies				Ch.10 scan		
	Section	time	Refno	Room	Exam 2			
	001	MW 9:30-10:45	41660	SSB 216	Wed, Dec12	7:45-9:45 am		
	002	MW 11:00-12:15	41664	SSB 216	Mon, Dec 10	10:00-12 noon	I	
	002	IVI VV 11.00-12.13	71004	JJD 210		10.00-12 110011		
	1 000							

Computer exercises:	STUDENT DATA CARD:		
#1 budgets-	2.5%	Name (What you want to be called) Student Number	
#2 factor rating	2.5%	Do you have access to a computer at home? MS Office? Vista? level of Computer expertise?	
#3 EXCEL/POM WIN LP	10%	e-mail address Phone Numbers	
Original Research: LP, Pivottable or Monte Carlo Simulation	Last class, 10% Dec 5	 Phone Numbers Major, year, completed BA3300 with C or better? Special interests, What do you hope to be able to do as a result of this course? 	

SSB 216

Mon, Dec 10

003

MW 2:00-3:15

41668

12:30-2:30 pm

A few administrative issues ("The Rules"):

Prerequisites are not waived.

Attendance at Classes:

No grade will be assigned for attendance directly, but exams, quizzes and exercises do a pretty good job of weeding out people who aren't interested enough to come to class. My philosophy on exam questions is that if it is important enough to put on an exam, it's important enough to cover in class. The book is less focused and material in the book that isn't covered in class won't be on exams. Exams follow very much what is covered in class, and much of the material is either not treated in the book, or has a different approach. It is very difficult to get a passing grade in this course if you skip classes. There is no make-up tutoring for people who can't make it to class. If you miss a class, get notes from someone who takes good notes.

Exams

cover books, lectures, supplemental readings, handouts and exercises. Exams are closed book but allow one sheet of notes. No make-up exams or switching sections without prior permission. A grade of zero will be assigned for exams missed without prior consent. You are expected to know definitions and terms. Study groups are beneficial.

Computer Exercises:

For this to be a learning exercise, everyone must do their own assignments. Drop Dead dates for the assignments allow extra time for the myriad difficulties inherent in technological pursuits (i.e. %\$#@! computers), illness, and other delays. Plan to finish and turn in assignments before these "drop-dead" dates to avoid getting zeroes for late and missing assignments. Late assignments won't be accepted or will be discounted unless there is prior permission. Submit assignments via one-page printouts and electronic copies in the mygateway dropbox (Both are required. Hardcopy is graded and must be submitted on time. Absence of dropbox copy may result in full denial of credit).

Extra credit is sometimes awarded for doing something novel on one of the regular assignments. Extra credit isn't awarded to people who don't complete the basic assignments.

Working together

can be very useful, but it is very important to actually do the exercises yourself and understand what's going on. Consult with others, but generate your own data and submit only your own work. Note that the exercises are designed to be personalized to some degree to encourage this. If assignments submitted are very similar in form and substance to someone else's then both parties will share a zero for the assignment. Exams and Computer exercises are designed and analyzed to detect copying and other cheating. See collegecheating.com. Cheating on exams or assignments is not tolerated and will result in formal disciplinary action and possible expulsion from the University.

Reporting final grades:

Grades are not "curved" to fit an arbitrary distribution. Grade breaks are at 90, 80, 70, and 60, with few pluses and minuses as I believe they penalize good students. Instead, I use the research reports to decide borderline cases. Exams and exercises aren't graded or returned unless you are registered in the course. Final grades are reported on line on time and accessible on the web. Please do not call me about your final grade. I will probably not be very accessible by phone in between sessions. If you want, or need, more detail, E-mail me so I can send you a copy and paste from my grade sheet. Email skills are a part of the computer course that is a prerequisite to this course.

Grades are not adjusted after the end of the semester by offering students opportunities to do "extra credit assignments" or redo work.

Excused grades

are available until the last drop day. After that, the grade assigned reflects performance. Excused grades are not available to students caught cheating.

Delayed Grades

On rare occasions, a delayed grade is assigned because an extraordinary circumstance prevents a student who is doing well from completing some requirement by the time grades are due. Example- someone delivers a baby on the day of the last exam and makes a reasonable judgement call to do it at the hospital instead of while taking the exam. Delayed grades are not an open opportunity to procrastinate on assignments, get more time to study for exams, or try again for free when things aren't going well.

Course Evaluation:

This course is important to me, and I want to make it better. I learn a lot by teaching this course and from student suggestions. Written comments are much more useful than the summary statistics I get from filled in bubbles. The comments you write on the course evaluations don't get to me until months after grades are in and are anonymous, so you should feel comfortable to write what you think. I routinely share all these comments with my area coordinator ("boss") Dr. Robert Nauss. If you would rather make a comment to him directly, his E-mail address is robert_nauss@umsl.edu

Research Report:

An opportunity to demonstrate application of the principles to real life problems. A few pages in length describing the problem /question, source of the data and discussion of the results—it needn't be a Master's thesis.

Required:

Application of LP (or other Solver) or Monte Carlo simulation tools from the course to a problem with real data (not from the book). Should be something reasonably novel. Projects that are very similar to the exercises (such as simple queues or nutritional value of fast food) are likely to be awarded less credit. Due the last day of class--NOT on the day of the second exam. None are accepted late.