Spring Evening Session, 2000

FACULTY:

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Bio

I was born and raised in southern California and lived most of my life between Hawaii and the west coast. I attended Loma Linda University in California as well as the University of Redlands and Chaminade University of Honolulu. I do management consulting for health care organizations, and I teach with a couple of local universities. I am currently pursuing a doctoral program in Management from the University of Phoenix.

I've spent the first twenty years of my career practicing health care management. I realized after becoming a respiratory therapist early on that I had and interest and aptitude for management. Since 1979 I have worked in a variety of health care disciplines; mostly managing projects and teaching. To strengthen my skills and expertise I completed formal education in management and business administration at the graduate level. However, my most important professional experiences have been through direct hands-on work with professionals of different backgrounds, experience, and agendas.

COURSE DESCRIPTION:

The course presents various quantitative techniques for solving business problems. Both the mathematical methods and practical considerations are covered. Some of the techniques are implemented through computer procedures

OBJECTIVES:

The student should be able to 9610 selected quantitative problems and understand the theory and application of the solution procedures used.

TEXT:

Render, B. and Stair, R. Jr., Quantitative Analysis for Management, 7 th ed., Allen and Bacon, Boston, 1999. www.prenhall.com.render

COURSE DATES/TIMES:

Wednesdays: 5:30 - 9:40 PM, Start Date: April 5, 2000, End Date: June 7, 2000

COURSE OUTLINE & ASSIGNMENT SUMMARY:

WEEK	TOPIC	DATE	CHAPTER READING	ASSIGNED PROBLEMS	POINTS
1	Introduction, Probability Review	4/5	Chapter 1, 2	3,7,10, 12 (Ch.1) 1, 2, 12, 14, 16 Ch.2	5 points
2	Inventory Control	4/12	Chapter 6	17, 18, 23, 32, 37	5 points
3	Linear programming	4/19	Chapter 7, 8, 9	14, 15, 18 (Ch.7) 2, 6, 8 (Ch.8) 2, 17, 19 (Ch. 9	5 points
4	Networks	4/26	Chapter 12	9, 10, 17	5 points
5	Mid-Term	5/3			20 points
6	Pert and CPM	5/10	Chapter 13	13, 15, 18, 24	5 points
7	Forecasting	5/17	Chapter 5	15, 19, 34	5 points
8	Multiple Regression	5/24	Handout	Handout	5 points
9	Decision Theory	5/31	Chapter 2, 3	17,19 (Ch, 2) 8, 9, 13, 14 Ch.3	5 points
10	Final Exam Group Case Presentations	6/7			20 points 20 Points

Total Point = 100

ASSIGMENTS:

All written problems are to be turned in at the beginning of the class following their discussion.

Both the mid-term and final exams will be open book, multiple choice, and twenty questions.

Group Case Presentations will be 15 - 20 minutes long and include visual aids as needed (see Case Presentations)

LATE ASSIGNMENTS:

Assignments turned in one week late will receive a half-letter grade reduction. Assignments turned in later than one week will not be graded at the Instructor's discretion.

ASSIGNMENT FORMAT:

All assignments submitted for grading will be in a type format with spreadsheet attachments as needed. Specific requirements include:

- **Font size of 12**
- **Black ink color**
- **Double-spaced text**
- **Title page of assignment to include: student name(s), date of submission, course#, assignment title,** CUH

COMPUTER SOFTWARE:

Students are encouraged to use the computer software for spreadsheets that is recommended in the text for this class. However, students may use other resources as they see fit

GROUP STUDY:

Opportunity will be given to allow students to work in groups on problem assignments and Case Presentations. Individual effort will be required for mid-term and final exams

GRADING:

95 to 100 = A	72 to 75 = C+	<56 = F
90 to 94 = A-	68 to 71 = C	
85 to B+	64 to 68 = C-	
80 to 84 = B	60 to 63 = D	
76 to 79 = B-	56 to 59 = D-	

REVISION OF COURSE REQUIREMENTS:

The instructor reserves the right to change or modify the assignments for course completion at his discretion. If changes are to be made all students will be notified in advance.

Quantitative Methods in Management

Group Presentations

Written Paper

A. One page typed, double spaced text

- Statement of the main issues/problems
- Description of the alternatives currently in place to resolve the problems/issues
- Your recommendations

B. Each of these essentials will require one page or typed, double spaced t@Xt

1. Define the problem
2. Develop or use an existing model
3. Acquire input data
4. Develop a Solution
5. Test the Solution
6. Analyze the results
7. Implement the results (or hypothetical)

Oral Presentation

- All group members must participate
- 15-20 minutes summary of case material
- 3-5 minutes of questions and answers
- Use of PowerPoint, overheads, handouts, etc. strongly encouraged