

THREE RIVERS COMMUNITY COLLEGE
OPERATIONS MANAGEMENT ASSIGNMENTS (Revised 01/25/12)

CLASS #	DUE DATE	Description of material to be covered	READING & HOMEWORK ASSIGNMENT	
			READING DUE	PROBLEMS DUE
1	01/25/12	Introduction- Review syllabus; grading criteria; attendance criteria and methodology; homework assignments; Student log-on, CD Rom load, Rom review and CD programs loading procedure	NONE	NONE
		Integrating MS Excel with POM & ACTIVE MODELS		
		How to use POM for Windows and its application to productivity problems		
		Power Point overview of Operations & Productivity emphasizing <u>PRODUCTIVITY MEASUREMENT</u>		
2	02/01/12	Review Operations & Productivity Homework problems	Use Example 12 data (Pg. 119) to calculate Eqs. 12, 13, 14, 15 & 16 on Excel	
		Power Point overview of - <u>Decision Making Tools</u>	Operations & Productivity	Section 1 Problems - 1, 2, 5, 6, 7, 10, 15
		Using student CD-Rom & Excel SOLVER in <u>Linear Programing</u>		
3	02/08/12	Review Decision Making Tools Homework problems	Decision-Making Tools	Sec 2: 1, 2, 5, 9, 14, 15, 16, 18, 19
		Using student CD-Rom & Excel SOLVER in applications to Linear programing problems - Demonstrate LP programming solutions on SAMPLE PROBLEMS	Linear Programming	Example Problems 2, 3 & 4 (Pg 61-63)
		Assign Project #1 - Golding Landscaping and Plants, Inc. (Case study page 75)		
4	02/15/12	Use Excel Solver and POM to solve <u>Linear Programming</u> homework assignments	Linear Programming	Sec 3 Problems 13, 15, 18, 26, 27 & 28
		Project #1 - Golding Landscaping and Plants, Inc. (Case study page 75)		Project # 1
		<u>TEST #1 Productivity, Decision Making & Linear Programming DISTRIBUTED</u>	Sections 1, 2 & 3	
5	02/22/12	<u>TEST #1 DUE AT BEGINNING OF CLASS</u>	Learning Curves	NONE
		Answer questions pertaining to test & review selected test problems		Excel OM pg. 87 & 88
		Power Point overview of Section 4 - Learning Curves		Active Model E.1
		Solve sample project problems using ACTIVE MODEL & EXCEL OM		
6	02/29/12	Solve homework project problems using ACTIVE MODEL & EXCEL OM	Learning Curves	Sec 4 Problems 4, 6, 9, 12, 16, 20
		Power Point overview of <u>TIME-SERIES FORECASTING</u>	Forecasting	Sec. 5 Problems. 2, 3, 5, 7, 9, 19, 24, 25
		Power Point overview of <u>Regression & Correlation Analysis of Forecasting</u>		
		Distribute Project #2 - Forecasting New London County Foreclosures		

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7	03/07/12	Application of <u>EXCEL, EXCEL OM & ACTIVE MODEL TOOLS</u> to time series forecasting problems	Forecasting	Sec. 5 Prob. 28, 39, 40, 49
		Project #2 - Forecasting New London County Foreclosures		Project # 2
		<u>TEST #2 Learning Curves & Forecasting DISTRIBUTED</u>	Sections 4 & 5	
8	03/14/12	<u>TEST #2 DUE AT BEGINNING OF CLASS</u>	NONE	
		Power Point overview of Section 6 - Project Management	Sec 6 - Project Mgmt	Page 159-Table 3.2 Page 168 Example 8
		Distribute Project #3 - Hardrock's Rockfest Project & describe WBS assignment		
		Solve sample project problems using ACTIVE MODEL & EXCEL OM		
03/21/12		SPRING BREAK - NO CLASS	NONE	
9	03/28/12	Hardrock's Rockfest Project Work Break-Down Structure (WBS) assignment	Project # 3 Part A (WBS)	
		Solve homework project problems using ACTIVE MODEL & EXCEL OM	Sec 7-Managing Quality	Sec. 6 Prob. 1, 3, 6, 17, 18, 24, 27
		Power point overview of <u>Quality Management</u>	Sec 8-Statistical	
		Power Point overview of <u>SPC - Statistical Process Control</u>	Process Control	
10	04/04/12	Hardrock's Rockfest Project #3 - original PERT and crashed PERT	Project # 3 Part B (PERTs)	
		Review homework problems for <u>Quality Management</u>	Sec 7-Managing Quality	Sec. 7 Prob. 3, 12, 14, 16
		Review homework problems for <u>Statistical Process Control</u>	Sec 8-Statistical Process Control	Sec. 8 Prob. 1, 2, 3, 6, 10 & 14
11	04/11/12	Review homework problems for <u>Statistical Process Control</u>	Sec 8-Statistical Process Control	Sec. 8 Prob. 16, 17, 18, 25 & 34
		<u>TEST # 3 Project Management, Quality Management & Statistical Quality Control</u>	Sections 6, 7 & 8	
12	04/18/12	<u>TEST # 3 DUE AT BEGINNING OF CLASS</u>	NONE	
		Distribute Project #4 - Bank teller schedule	Sec 9-Waiting Line Models	NONE Read Section 9- Waiting Line Models
		Power Point overview of Section 9 - Waiting Line		

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13	04/25/12	Project #4 - Bank teller schedule; Lambda & Mu values	Project #4 Part A	
		Review homework problems - Section 9 <u>Waiting Line Models</u>	Sec 9-Waiting Line Models	Sec. 9 Prob. 2, 3, 5, 7, 9, 13, & 15
		Power Point overview of Section 10 - Process strategy	Sec 10 Process Strategy	
14	05/02/12	Project #4 - Bank teller schedule; Number of Tellers	Project #4 Part B	
		Review homework problems - <u>Process Strategy</u>	Sec. 10 - Process Strategy	Sec 10 Prob 9B, 12, & 14
		Power Point overview of Section 11 - Capacity Planning	Capacity Planning	
		Power Point overview of Section 12 - Inventory Management	Inventory management	
15	05/09/12	Review homework problems - <u>Capacity Planning</u>	Sec. 11 - Capacity Planning	Sec 11 Prob 1, 6, 9, 11, 15, 22, 25, 29, 30, 31, & 35
		Review homework problems - <u>Inventory Management</u>	Sec. 12 - Inventory Management	Sec 12: 3, 4, 9, 13, 17, 22, 28, 34 & 38
		<u>TEST # 4 Waiting Line, Process Strategy, Capacity Planning & Inventory Management</u>	Sections 9, 10, 11 & 12	
16	05/16/12	<u>TEST # 4 DUE AT BEGINNING OF CLASS</u>	NONE	