THREE RIVERS COMMUNICTY COLLEGE
OPERATIONS MANAGEMENT ASSIGNMENTS (Revised 02/08/11)

CLASS #	DUE DATE	Description of material to be covered	READING & HOMEWORK ASSIGNMENT	
			READING DUE	PROBLEMS DUE
1	02/09/11	Introduction- Review syllabus; grading criteria; attendance criteria and methodology; homework assignments; Student log-on, CD Rom load, Rom review and CD programs loading procedure 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 **PRODUCTIVITY MEASUREMENT**	NONE	NONE
2	02/09/11	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 - **Decision Making Tools** Using student CD-Rom & Excel SOLVER in **Linear Programing**	**Operations & Productivity**	**Section 1 Problems - 2, 5, 6, 7, 13, 14**
3	02/16/11	Review **Decision Making Tools** Homework problems	**Decision-Making Tools**	**Sec 2: 1, 2, 5, 9, 13, 14, 15, 16**
		Using student CD-Rom & Excel SOLVER in applications to Linear programing problems - Demonstrate LP programming solutions on SAMPLE PROBLEMS **Assign Project #1 - Golding Landscaping and Plants, Inc. (Case study page 75)**	**Linear Programming**	**Example Problems 2, 3 & 4 (Pg 61-63)**
4	02/23/11	Use Excel Solver and POM to solve **Linear Programming** homework assignments	**Linear Programming**	**Sec 3 Problems 13, 15, 18, 26, 27 & 29**
		Project #1 - Golding Landscaping and Plants, Inc. (Case study page 75)		**Project # 1**
		TEST #1 Productivity, Decision Making & Linear Programming DISTRIBUTED	**Sections 1, 2 & 3**	
5	03/02/11	**TEST #1 DUE AT BEGINNING OF CLASS**	**Learning Curves**	NONE
		Answer questions pertaining to test & review selected test problems		
		Power Point overview of Section 4 - Learning Curves		**Excel OM pg. 87 & 88**
		Solve sample project problems using **ACTIVE MODEL & EXCEL OM**		**Active Model E.1**
6	03/09/11	Solve homework project problems using **ACTIVE MODEL & EXCEL OM**	**Learning Curves**	**Sec 4 Problems 4, 6, 9, 12, 16, 20**
		Power Point overview of **TIME-SERIES FORECASTING**	**Forecasting**	**Sec. 5 Problems. 2, 3, 5, 7, 9, 19, 24, 25**
		Power Point overview of **Regression & Correlation Analysis of Forecasting** **Distribute Project #2 - Forecasting New London County Foreclosures**		
	03/16/11	**SPRING BREAK - NO CLASS**	**NONE**	
7	03/23/11	Application of **EXCEL, EXCEL OM & ACTIVE MODEL TOOLS** to time series forecasting problems	**Forecasting**	**Sec. 5 Prob. 28, 39, 40, 49**
		Project #2 - Forecasting New London County Foreclosures		**Project # 2**
		TEST #2 Learning Curves & Forecasting DISTRIBUTED	**Sections 4 & 5**	

CLASS #	DUE DATE	Description of material to be covered	READING & HOMEWORK ASSIGNMENT	
			READING DUE	PROBLEMS DUE
8	03/30/11	**TEST #2 DUE AT BEGINNING OF CLASS**	**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**		
9	04/06/11	**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 **Quality Management**	**Sec 8-Statistical Process Control**	
		Power Point overview of **SPC - Statistical Process Control**		
10	04/13/11	**Hardrock's Rockfest Project #3 - original PERT and crashed PERT**	**Project # 3 Part B (PERTs)**	
		Review homework problems for **Quality Management**	Sec 7-Managing Quality	Sec. 7 Prob. 3, 12, 14, 16
		Review homework problems for **Statistical Process Control**	**Sec 8-Statistical Process Control**	**Sec. 8 Prob. 1, 2, 3, 6, 10 & 14**
11	04/20/11	Review homework problems for **Statistical Process Control**	**Sec 8-Statistical Process Control**	**Sec. 8 Prob. 16, 17, 18, 25 & 34**
		TEST # 3 Project Management, Quality Management & Statistical Quality Control	**Sections 6, 7 & 8**	
12	04/27/11	**TEST # 3 DUE AT BEGINNING OF CLASS**	**NONE**	
		Distribute Project #4 - Bank teller schedule	**Sec 9-Waiting Line Models**	**Sec. 9 Prob. 2, 3, 5, 7, 9, 13, & 15**
		Overview of Section 9 - **Waiting Line Models**		
		Review homework problems - Section 9 **Waiting Line Models**		
13	05/04/11	**Project #4 - Bank teller schedule; Lambda & Mu values**	**Project #4 Part A**	
		Review homework problems - Section 9 **Waiting Line Models**	**Sec 9-Waiting Line Models**	**Sec. 9 Prob. 2, 3, 5, 7, 9, 13, & 15**
		Overview of Section 10 - Process strategy	**Sec 10 Process Strategy**	**Sec 10 - 9B, 12, & 14**
		Review homework problems - **Process Strategy**		
14	05/11/11	**Project #4 - Bank teller schedule; Number of Tellers**	**Project #4 Part B**	
		Review homework problems - **Process Strategy**	**Process Strategy**	**Sec 10 - 9B, 12, & 14**
		Overview of Section 11 - Capacity Planning		**Sec 11 Prob 1, 6, 9, 11, 15, 22, 25, 29, 30, 31, & 35**
		Review homework problems - **Capacity Planning**		
		TEST # 4 Waiting Line, Process Strategy, Capacity Planning & Inventory Management	**Sections 9, 10, & 11**	
15	05/18/11	**TEST # 4 DUE AT BEGINNING OF CLASS**	**NONE**	