



**Universitas Negeri Surabaya
Faculty of Economics and Business Master
of Management Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date																																											
Management Science	6110130301		T=3	P=0	ECTS=6.72	2	July 18, 2024																																											
AUTHORIZATION		SP Developer	Course Cluster Coordinator			Study Program Coordinator																																												
				Dr. Andre Dwijanto Witjaksono, S.T., M.Si.																																												
Learning model	Case Studies																																																	
Program Learning Outcomes (PLO)	PLO study program that is charged to the course																																																	
	Program Objectives (PO)																																																	
	PLO-PO Matrix																																																	
		P.O																																																
	PO Matrix at the end of each learning stage (Sub-PO)																																																	
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td></td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> </tr> </table>																P.O	Week																	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																																		
Short Course Description	The course aims to enable students to understand and implement science and technology management, such as issues regarding the process of globalization and science and technology, issues of structural change in science, the effects of globalization on science and technology, and rules for facing challenges in the development of science. and technology.																																																	
References	Main :																																																	
	1. <ol style="list-style-type: none"> 1) Taylor III, B.W., (2007). <i>Introduction to Management Science</i> , 6th Edition, Pearson Prentice Hall 2) Render, B.; Stair, R.M., Jr.; & Hana, Michael E., (2009). <i>Quantitative Analysis for Management</i> , 10th Ed., Pearson, Prentice Hall 3) Taha, Hamdy A., (2003). <i>Operations research: an introduction</i> , 7th edition, Prentice Hall. 																																																	
	Supporters:																																																	
Supporting lecturer	Prof. Dr. Anang Kistyanto, S.Sos., M.Si. Dr. Ulil Hartono, S.E., M.Si.																																																	
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)																																											
		Indicator	Criteria & Form	Offline (offline)	Online (online)																																													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)																																											

1	Calculating and analyzing cash and securities management	Students are able to understand the theory and basic concepts of management science. Students are able to understand and explain linear programming		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
2	Calculating and analyzing cash and securities management	Students are able to understand the theory and basic concepts of management science. Students are able to understand and explain linear programming		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
3	Analyze receivables management	Students are able to understand linear programming. Students are able to understand examples of linear programming models		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
4	Analyze receivables management	Students are able to understand linear programming. Students are able to understand examples of linear programming models		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
5	Analyze inventory management	Students are able to understand and master integer programming. Students are able to understand transportation, transshipment, and are able to solve problems		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
6	Analyze inventory management	Students are able to understand and master integer programming. Students are able to understand transportation, transshipment, and are able to solve problems		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
7	Analyzing long-term financing management	Students are able to understand the network flow model. Students are able to understand project management concepts		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%

8	UTS			3 X 50			0%
9	Develop and analyze capital structure	Students are able to understand well the concept of multi-criteria decision making		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
10	Develop and analyze dividend policy	Students are able to analyze and explain nonlinear programming		Assignment to read literature, listen to student explanations and individual presentations 3 X 50			0%
11	Explain working capital management	Students are able to explain probability and statistics		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
12	Analyze financial and operating leverage	Students are able to understand decision analysis		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
13	Explain the mechanisms of corporate governance and business ethics	Students are able to understand and explain queue analysis		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
14	Identifying and analyzing Business Expansion: Consolidation, Mergers and Acquisitions	Students are able to understand and explain the concept of simulation		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
15	Analyzing financial distress	Students are able to understand and explain the concept of forecasting. Students are able to understand inventory management		Assignment to read literature, listen to student explanations, discussions and individual presentations 3 X 50			0%
16	UAS			3 X 50			0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
		0%

Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.