	Universitas Negeri Surabaya Vocational Faculty, D4 Informatics Management Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Decision Support Systems	5730103182		T=3	P=0	ECTS=4.77	5	July 17, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	Dodik Arwin Dermawan, S.ST., S.T., M.T.

Learning model	**Case Studies**
Program Learning Outcomes (PLO)	**PLO study program which is charged to the course**
	Program Objectives (PO)
	PLO-PO Matrix

	P.O

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Short Course Description	In this course students will study Introduction to SPK in organizations (the concept of SPK, managers in decision making), Analysis and Modeling (Intelligence, Design, Choice, Implementation phases), the process of how decisions are taken (SPK development strategy, designing, building, and implementation) , and create a decision support system for the given problems.
References	**Main :**
	1. 1. Turban, Efraim, dan Jay E.Aronson dan Ting Peng Liang Decision Support Systems and Intelligent System, ANDI, 2005 2. Marakas, M.George , Decision Support system in 21st Century, Second Edition, Asoke K Hosh, 20043. Suryadi, K. dan M.Ali Ramdhani,. Sistem Pendukung Keputusan. PT. Remaja Rosdakarya, Bandung.19984. Ravindranath, B., Decision Support System and Data Warehouses, New Age Publisher , 20035. Irfan Subakti, Sistem Pendukung Keputusan (Decision Support System), ITS, Surabaya, 2002
	Supporters:
Supporting lecturer	Asmunin, S.Kom., M.Kom. Andi Iwan Nurhidayat, S.Kom., M.T. I Gde Agung Sri Sidhimantra, S.Kom., M.Kom.

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	Understand the basic understanding of decision making in organizations and the use of computer-based systems for SPK	Students are able to explain the basic understanding of decision making in organizations and the use of computer-based systems for SPK		Direct Instruction, Discussion, Presentation 3 X 50			0%
2	Students are able to understand the concepts of decision making, systems, modeling, and how the system is supported	Students are able to explain decision making, systems, modeling, and how the system is supported		Lectures, Discussions, Presentations and reflections 3 X 50			0%
3	Understand the characteristics and capabilities of DSS, DSS components, Data Management Subsystem, Management Subsystem model, Knowledge subsystem, User Interface subsystem, user, hardware software, overall picture and technology level.	Understand being able to explain the characteristics and capabilities of DSS, DSS components, Data Management Subsystem, Management Subsystem model, Knowledge subsystem, User Interface subsystem, user, hardware software, overall picture and technology level.		Direct Instruction, presentation, discussion 3 X 50			0%
4	Students understand Data Management	Students are able to explain Data Management		Lectures, discussions 3 X 50			0%
5	Understand and be able to create system modeling Understand model management	Students understand and are able to create system modeling. Students understand model management		Lectures, discussions, project based learning, 3 X 50 presentations			0%
6	Understand the user interface	Students are able to explain the user interface		Lectures, discussions, presentations, project based learning 3 X 50			0%
7	Students understand DSS development strategies, development processes, end user computing and user-based DSS development	Students are able to build DSS		Lectures, discussions, project based learning, and 3 X 50 presentations			0%
8	Students understand DSS development strategies, development processes, end user computing and user-based DSS development	Students are able to build DSS		Lectures, discussions, project based learning, and 3 X 50 presentations			0%
9	Students understand DSS development strategies, development processes, end user computing and user-based DSS development	Students are able to build DSS		Lectures, discussions, project based learning, and 3 X 50 presentations			0%

10	Students understand Organizational DSS and its development topics	Students are able to explain Organizational DSS and its development topics		Lectures, presentations and discussions 3 X 50			0%
11	Students understand the Group Decision Support System (GDSS)	Students explain and discuss the Group Decision Support System (GDSS)		Lectures and discussions 3 X 50			0%
12	Students understand the Distributed Group Decision Support System (GDSS)	Students are able to explain the Distributed Group Decision Support System (GDSS)		Lectures and presentations 3 X 50			0%
13	Executive Information and Support System	Students understand about Executive Information and Support Systems		Lectures and discussions 3 X 50			0%
14	Students understand Expert System-based DSS	Students are able to understand Expert System-based DSS. Students create simple Expert System-based DSS programs		Lectures, discussions and project based learning 3 X 50			0%
15	Students understand Expert System-based DSS	Students are able to understand Expert System-based DSS. Students create simple Expert System-based DSS programs		Lectures, discussions and project based learning 3 X 50			0%
16	Students understand Expert System-based DSS	Students are able to understand Expert System-based DSS. Students create simple Expert System-based DSS programs		Lectures, discussions and project based learning 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.