	Universitas Negeri Surabaya **Faculty of Economics and Business** **Digital Business Undergraduate Study Program**			**Document Code**

SEMESTER LEARNING PLAN

Courses	**CODE**	**Course Family**	**Credit Weight**			**SEMESTER**	**Compilation Date**
Business intelligence	6120903033	Compulsory Study Program Subjects	T=0	P=1	ECTS=1.59	5	July 18, 2024

AUTHORIZATION	**SP Developer**	**Course Cluster Coordinator**	**Study Program Coordinator**
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Learning model	**Project Based Learning**

Program Learning Outcomes (PLO)	**PLO study program that is charged to the course**	
	PLO-3	Develop logical, critical, systematic and creative thinking in carrying out specific work in their field of expertise and in accordance with work competency standards in the field concerned
	PLO-5	Able to master the theory of digital business thoroughly
	PLO-6	Able to adapt to the context of digital business problems faced well
	PLO-7	Able to develop digital business ideas creatively and innovatively
	PLO-8	Able to develop knowledge in the field of digital business appropriately
	PLO-9	Able to develop digital business based on entrepreneurial leadership in a sustainable manner
	PLO-10	Able to implement digital business theory in managing organizations ethically and effectively
	PLO-11	Able to apply information and communication technology in business management appropriately
	Program Objectives (PO)	
	PO - 1	Students understand the concept of Business Intelligence (BI)
	PO - 2	Students apply Data Integration, Data Mining and Data Cleansing for decision making
	PO - 3	Students prepare interactive reports for decision making
	PLO-PO Matrix	

P.O	PLO-3	PLO-5	PLO-6	PLO-7	PLO-8	PLO-9	PLO-10	PLO-11
PO-1	✔	✔	✔					
PO-2				✔	✔	✔		
PO-3					✔	✔	✔	✔

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
PO-1	✔	✔	✔													
PO-2				✔	✔	✔	✔	✔	✔	✔	✔	✔				
PO-3													✔	✔	✔	✔

	Short Course Description	This course examines the decision-making process and work group activities by professional and managerial people; the tools and techniques available in information technology to support this process and when they can be used profitably; some of the reasons why so many executive support systems do not achieve their desired goals; and cultural and organizational issues involved in the use of information tools and technologies. This course has a technical component where students gain knowledge and practical experience in decision support and business intelligence systems using BI software (Pivot Excel and Power BI).

References	Main :	
	1. 1. Sharda, R., Delen, D., Turban, E. 2017, Business Intelligence: A managerial approach, 4th. ed, Pearson 2. 2. Grossmann, W., & Rinderle-Ma, S. (2015). Fundamentals of business intelligence. 3. 3. Loshin, D. (2012). Business intelligence: the savvy manager's guide. Newnes	
	Supporters:	
	1. Jurnal dan video Panduan Excel Pivot dan Microsoft Power BI	

Supporting lecturer	Ika Diyah Candra Arifah, S.E., M.Com. Riska Dhenabayu, S.Kom., M.M. Achmad Kautsar, S.E., M.M.

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	Students know the basics of Business Intelligence (BI)	1.1. Students are able to explain the basics of business intelligence 2.2. Students are able to explain the architecture of intelligent business systems and the analysis cycle of intelligent business systems 3.3. Students are able to explain the steps for developing an intelligent business system	**Form of Assessment** : Participatory Activities	Pre-Test Post-Test Discussion Lecture		**Material:** 2. Grossmann, W., & Rinderle-Ma, S. (2015). Fundamentals of business intelligence. **References:** *1. Sharda, R., Delen, D., Turban, E. 2017, Business Intelligence: A managerial approach, 4th. ed, Pearson*	5%
2	Students are able to practice Pivot and Power Business Intelligence	1.1. Students are able to use Pivot according to the work area 2.2. Students are able to use Power Business Intelligence according to their work area 3.3. Students are able to prepare interactive reports for decision making	**Criteria:** Holistic Rubric **Form of Assessment** : Participatory Activities		Pre-Test Post-Test Discussion Lecture	**Material:** 2. Grossmann, W., & Rinderle-Ma, S. (2015). Fundamentals of business intelligence. **References:** *1. Sharda, R., Delen, D., Turban, E. 2017, Business Intelligence: A managerial approach, 4th. ed, Pearson*	5%

3	Students are able to understand the application and importance of Business Intelligence in the world of work	Students are able to explain the application and importance of Business Intelligence in the world of work			Pre-Test Post-Test Discussion Lecture	**Material:** Loshin, D. (2012). Business intelligence: the savvy manager's guide. Newnes **Bibliography:** *1. Sharda, R., Delen, D., Turban, E. 2017, Business Intelligence: A managerial approach, 4th. ed, Pearson*	5%
4	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
5	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
6	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
7	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
8	Prepare Internship Activity Plan Reports	Students are able to explain activity plan reports (LRK) and potential data collection for Business Intelligence	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				10%
9	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
10	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%
11	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice				5%

12	Students carry out Monitoring and Evaluation	Students are able to explain the progress of data collection and analysis for Business Intelligence	**Criteria:** Holistic rubric **Form of Assessment** : Project Results Assessment / Product Assessment	Field Work Practices			10%
13	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice			5%
14	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice			10%
15	Students carry out internships at companies	Students are able to use Pivot and Power Business Intelligence according to their work area	**Criteria:** Holistic rubric **Form of Assessment** : Practice / Performance	Field work practice			10%
16	Students carry out an Internship Results Seminar	1.1. Students prepare an interactive report on company User Engagement data 2.2. Students present the final Business Intelligence activity report (LAK).	**Criteria:** 1. Assessment of LAK documents 2. Seminar assessment **Form of Assessment** : Project Results Assessment / Product Assessment	Field Work Practices			10%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	10%
2.	Project Results Assessment / Product Assessment	20%
3.	Practice / Performance	70%
		100%

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.