UNIVERSITY OF BRAWIJAYA

FACULTY OF ADMINISTRATIVE SCIENCES

DEPARTMENT OF BUSINESS ADMINISTRATION / TOURISM STUDY PROGRAM

SEMESTER LEARNING PLAN

SUBJECT	CODE	COURSE CLUBS	WEIGHT (credits)	SEMESTER	Date of Compilation
INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM	PAR600	Tourist	3	Odd even	July 20, 2023

AUTHORIZATION	RPS Developer Lecturer	RMK Coordinator	Head of Study Program
	Safarudin Hisyam Tualeka, S.Tr.Kom., MAB Signature	Signature	Prof. Dr. Drs. Edy Yulianto, MP Signature

Learning Outcomes	CPL PROGRAM	
	CPL1	Students are able to integrate nationalistic attitudes, behavioral values and ethics both in the community and work environment.
	CPL2	Students are able to produce critical and innovative thinking to support business decision making in the tourism sector.
	CPL3	Students are able to produce scientific studies to answer current issues in the tourism sector.
	CPL4	Students are able to practice communication skills, both oral and written, effectively.
	CPL5	Students are able to manage businesses in the tourism sector by prioritizing entrepreneurial values.
	CPL6	Students are able to implement science and technology in solving tourism problems
	CP – MK	
	After taking this course, students are able to	
	CPMK1	Understand the basic concepts of GIS. (CPL2, CPL6)
	CPMK2	Understanding tourism from a geographical perspective. (CPL2, CPL3)
	CPMK3	Understand the application of GIS in tourism. (CPL2, CPL3, CPL5, CPL6)
CPMK-CPL Weight Mapping		

	CPL1	CPL2	CPL3	CPL4	CPL5	CPL6
CPMK1	0	0.5	0	0	0	0.5
CPMK2	0	0.5	0.5	0	0	0
CPMK3	0	0.1	0.4	0	0.1	0.4

MK Brief Description	This course discusses the basic concepts of Geographical Information Systems and their application in tourism, especially geographic tourism, including in Indonesia.
Learning Materials / Topics	1. Introduction GIS overview 2. Fundamental characteristics of spatial data 3. Components of data quality spatial data models: vector, raster, topology 4. Hardware and software for GIS applications 5. Review of attribute data management 6. Data collection and quality 7. Spatial analysis of markets implementing a GIS 8. Data/resource time

	9. Final Project	
Library	**Main**	
	The Geography of Tourism and Recreation: Environment, Place and Space Geography and tourism	
	Supporters	
	Getting To Know ArcGIS Desktop – Ormbsy, Napoleon, Burke, Groessl, Bowden	
Instructional Media	**Software :**	**Hardware :**
	Gmeet, Zoom, GCR, VLM	LCD and Projector
Team Teaching	-	
Course Requirements	1. Geography of Tourism 2. Tourism Information and Communication System	

Week 2-	**Sub-CP-MK** **(as the expected final capability)**	**Indicator**	**Assessment Criteria & Forms**	**Learning methods** **(Lectures / Assignments / other forms of learning)**	**Time** **(Duration)**	**Learning Materials / Study Materials [Library]**	**Assessment Weight (%)**

1	Students are able to understand the concept of GIS	Ability to explain basic GIS concepts	Assessment criteria: Understand the basic concepts of GIS	Lecture Question and answer Structured tasks Independent assignment	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Introduction to the Course and Basic Understanding of GIS	5%
2	Students are able to understand and explain spatial data	Ability to understand and explain spatial data	Assessment criteria: ▪Understanding Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments ▪ Test basis: UTS	▪ Lectures and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Fundamental characteristics of spatial data	5%

3	Students are able to understand and explain data models: vector, raster, topology	Ability to understand and explain data models: vector, raster, topology	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments ▪ Test basis: UTS	▪Lecture and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Components of data quality spatial data models: vector, raster, topology	5%
4	Students are able to understand and explain the hardware and software needed for GIS.	Ability to understand and explain the hardware and software required for GIS	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: Group presentations	▪Lecture and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Hardware and software for GIS applications	5%

			and class discussions & Assignments ▪ Test basis: UTS				
5	Students are able to understand and explain data management	Students are able to understand and explain the attributes for data management.	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments ▪ Test basis: UTS	▪Lecture and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Review of attribute data management	7.5%
6	Students are able to understand and explain data collection in GIS	Students explain data collection in GIS	Assessment criteria: ▪ Understanding	▪Lecture and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Data collection and quality	7.5%

			Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments ▪ Test basis: UTS				
7	Students are able to analyze spatial data from businesses to be implemented in GIS.	Capableanalyze spatial data from business to be implemented in GIS	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments	▪Lecture and Q&A ▪ Group presentations or class discussions	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Spatial analysis of markets implementing a GIS	7.5%

			▪ Test basis: UTS				
8	**UTS**						
9	Students are able to understand and explain data and resource time	Students understand and explain data and time resources	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: practical and presentation assessment ▪ Exam basis: Final Project	▪Lecture and Q&A ▪ Practice ▪ Assignments	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	GIS in Application	5%
10	Students are able to understand and explain the basic functions of analysis in GIS.	Students explain the basic functions of analysis in GIS	Assessment criteria: ▪ Understanding Form of assessment:	▪Lecture and Q&A ▪ Practice ▪ Assignments	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	GIS analysis functions	5%

			▪ Non-exam basis: practical and presentation assessment ▪ Exam basis: Final Project				
11	Students are able to understand and explain GIS applications	Students are able to understand and explain GIS applications.	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: practical and presentation assessment ▪ Exam basis: Final Project	▪Lecture and Q&A ▪ Practice ▪ Assignments	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Data/resource time	5%
12	Students are able to practice using GIS for business needs,	Students are able to understand and explain the	Assessment criteria:	▪Lecture and Q&A ▪ Practice for Final Project	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Final Project	12.5%

	especially in tourism (1)	application of GIS in business and tourism.	▪ Understanding Form of assessment: ▪ Non-exam basis: practical and presentation assessment ▪ Exam basis: Final Project				
13	Students are able to practice using GIS for business needs, especially in tourism (2)	Students are able to understand and explain GIS applications.	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: practical and presentation assessment	▪Lecture and Q&A ▪ Practice for Final Project	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Final Project	12.5%

			▪ Exam basis: Final Project				
14	Students are able to practice using GIS for business needs, especially in tourism (3)	Students understand and explain the future of GIS in Tourism in the World	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: practical and presentation assessment ▪ Exam basis: Final Project	▪Lecture and Q&A ▪ Practice for Final Project	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Final Project	12.5%
15	Students are able to practice using GIS for business needs, especially in tourism (4)	Students understand and explain the future of GIS in Tourism in Indonesia	Assessment criteria: ▪ Understanding Form of assessment: ▪ Non-exam basis: practical	▪Lecture and Q&A ▪ Practice for Final Project	**[TM:3x50']** **[BM+TT : {1+1}x{3x60'}]**	Final Project	12.5%

			and presentation assessment ▪ Exam basis: Final Project				
16	**-**						

CPL PS Tourism

The learning outcomes of graduates (CPL) of the UB Tourism Study Program are as follows.
CPL1. Students are able to integrate nationalistic attitudes, behavioral values and ethics both in the community and work environment.
CPL2. Students are able to produce critical and innovative thinking to support business decision making in the tourism sector.
CPL3. Students are able to produce scientific studies to answer current issues in the field of tourism.
CPL4. Students are able to practice communication skills, both oral and written, effectively.
CPL5. Students are able to manage a business in the tourism sector by prioritizing entrepreneurial values.
CPL6. Students are able to implement science and technology in solving tourism problems.

TASK DESIGN

The assignments carried out in this lecture are in the form of Structured Assignments and Independent/Group Assignments.

- Structured lecture assignments are independent assignments, namely students submitting a written review of the results of the lecture at that meeting, and then presenting it at the next meeting.
- Independent/group assignments consist of creating individual/group papers in the form of reviews of each material, and presented in class.

Percentage of Assessment

Types of Assessment	Weight
Task	25%
UTS	25%
Project/Case Base	**50%**

CPL assessment and evaluation table at MK

Week to:	CPL	CPMK	Questions (Weight%)	Assessment Weight (test/non-test)	Weight (%)
1	2.6	1	Task 1 Mid-term exam questions (Question 1)	2.5 2.5	5
2	2.6	1	Task 2 Mid-term exam questions (Question 2)	2.5 2.5	5
3	2.6	1	Task 3 Mid-term exam questions (Question 3)	2.5 2.5	5
4	2.6	1	Task 3 Mid-term exam questions (Question 4)	2.5 2.5	5
5	2.6	2	Task 4 Mid-term exam questions (Question 5) Mid-term Exam Questions (Essay Questions 1)	2.5 5	7.5
6	2,3,6	2	Task 5 Mid-term Exam Questions (Essay Questions 2)	2.5 5	7.5

7	2,3,5,6	1,2,3	Task 6 Mid-term Exam Questions (Essay Questions 3)	2.5 5	7.5
Midterm Exam (UTS): Question 1, Question 2, Question 3, Question 4, Essay Question 1, Essay Question 1, Essay Question 1					
9	2,3,5,6	1,2,3	Task 7	2.5	2.5
10	2.6	1	Task 8	2.5	2.5
11	2,3,6	1,2,3	Task 9	2.5	2.5
12	2,3,5,6	1,2,3	Final Project	12.5	12.5
13	2,3,5,6	1,2,3	Final Project	12.5	12.5
14	2,3,5,6	1,2,3	Final Project	12.5	12.5
15	2,3,5,6	1,2,3	Final Project	12.5	12.5
UAS : Final Project					
			Total weight (%)	**100**	**100**

DETERMINATION OF FINAL VALUE

Final Value Range (NA)	Quality Letters	Quality Score
> 80	A	4
75<NA≤80	B+	3.5
69 <NA≤75	B	3
60 <NA≤69	C+	2.5
55 <NA≤60	C	2
50 <NA≤55	D+	1.5

44 <NA≤50	D	1
0< NA≤44	E	0

Assessment Weight Mapping - CPMK

Assessment	CPMK1	CPMK2	CPMK3
Task 1	1	0	0
Task 2	1	0	0
Task 3	1	0	0
Task 4	1	0	0
Task 5	1	0	0
Task 6	0.2	0.4	0.4
Task 7	0.2	0.4	0.4
Task 8	1	0	0
Task 9	0.2	0.4	0.4
Task 10	0.2	0.4	0.4
Task 11	0.2	0.4	0.4
Task 12	0.2	0.4	0.4
Task 13	0.2	0.4	0.4
UTS1	0.4	0.3	0.3
UAS1	0	0.5	0.5