



# 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
Occupational Safety, Health and Environment	PAR62005	GENERAL	3	5	July 17, 2023  Revision I :  Revision II:
AUTHORIZATION	RPS Developer Lecturer		RMK Coordinator		Head of Study Program
	Dr. Rita Parmawati, SP., ME				Prof. Dr. Drs. Edy Yulianto, MP
	Signature		Signature		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
	<b>CP – MK</b>	
	After taking this course, students are able to	
	CPMK1	Demonstrate a responsible attitude towards work in his/her field of expertise independently. <b>(CPL1, CPL2, CPL3)</b>
	CPMK2	Demonstrate a trustworthy attitude (with integrity), responsive, professional in accordance with the Global Code of Ethics of Hotel and Tourism, and have an Indonesian personality. (CPL1, CPL2, CPL3, CPL4, CPL6)
	CPMK3	Mastering general theoretical concept knowledge in the fields of Health, Occupational Safety and Environment, as well as Hygiene and Sanitation (CPL1, CPL2, CPL3, CPL4, CPL6)

	CPMK4	Mastering the knowledge of principles and procedural knowledge in Hygiene, Sanitation and Health, Occupational Safety issues <b>(CPL1, CPL2, CPL3, CPL4, CPL6)</b>
	CPMK5	Able to implement operations and manage the tourism sector well in accordance with Hygiene, Sanitation and Health, Work Safety standards in accordance with and fulfilling the requirements of standard operational procedures in each existing department.(CPL1, CPL2, CPL3, CPL4, CPL5, CPL6)
CPMK-CPL Weight Mapping		

	CPL1	CPL2	CPL3	CPL4	CPL5	CPL6
CPMK1	0.1	0.4	0.5	0	0	0
CPMK2	0.1	0.2	0.2	0.5	0	0
CPMK3	0.1	0.2	0.2	0.2	0.1	0.1
CPMK4	0.1	0.1	0.1	0.2	0.2	0.3
CPMK5	0.1	0.2	0.2	0.2	0.1	0.2

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<b>MK Brief Description</b>	This course covers the concepts, principles, and procedures for implementing Hygiene, Sanitation and Health, and Occupational Safety in operational activities of hotels, tourist destinations, restaurants, transportation, and those related to tourism activities.
<b>Learning Materials / Topics</b>	<p><b>1.OCCUPATIONAL HEALTH AND SAFETY ENVIRONMENT</b></p> <ul style="list-style-type: none"> <li>A. Understanding K3L</li> <li>B. Legal basis</li> <li>C. K3L Objectives</li> <li>D. Potential Hazards in the Workplace</li> <li>E. Another Safety Approach</li> <li>F. Safety Signs in the Workplace</li> <li>G. Occupational Safety Organization</li> </ul> <p><b>2.WORK ACCIDENT</b></p> <ul style="list-style-type: none"> <li>A. Definition of Accident</li> <li>B. Causes of Accidents</li> <li>C. Causes of Work Accidents</li> <li>D. Consequences / Impacts of Work Accidents<sup>9</sup></li> <li>E. Losses Due to Work Accidents</li> <li>F. Accident Classification</li> <li>G. Accident Prevention</li> <li>H. Accident Response</li> <li>I. Preventive measure</li> </ul> <p><b>3.WORK ACCIDENT</b></p> <ul style="list-style-type: none"> <li>J. Definition of Accident</li> <li>K. Causes of Accidents</li> </ul> <p><b>4.SANITATION AND HYGIENE</b></p> <ul style="list-style-type: none"> <li>A. Understanding</li> <li>B. Principles of Hygiene and Sanitation</li> <li>C. Actions to Maintain Sanitation and Hygiene</li> </ul> <p><b>5.WORKSPACE CLEANLINESS AND HEALTH</b></p> <ul style="list-style-type: none"> <li>A. How to Maintain Cleanliness in the Work Space</li> <li>B. Workspace Arrangement</li> </ul> <p><b>6.FIRST AID</b></p>

	<ul style="list-style-type: none"> <li>A. Understanding</li> <li>B. The purpose and objectives of first aid</li> <li>C. Legislation</li> <li>D. Attitude, Obligations and Territory of a Helper</li> <li>E. Techniques in First Aid</li> <li>F. Evacuation and Transportation</li> <li>G. Some Accidents and Help</li> </ul> <p><b>7.PERSONAL PROTECTIVE EQUIPMENT</b></p> <ul style="list-style-type: none"> <li>A. Understanding PPE</li> <li>B. Eye and Face PPE</li> <li>C. Skin and body protector</li> <li>D. Respiratory Protection</li> <li>E. Hearing protection</li> </ul> <p><b>8.HANDLING OF CHEMICALS</b></p> <ul style="list-style-type: none"> <li>A. Material Safety Data Sheet (MSDS)</li> <li>B. Chemical Storage</li> </ul> <p><b>9.FIRE HAZARD PREVENTION AND HANDLING</b></p> <ul style="list-style-type: none"> <li>A. Causes of Fire Hazards</li> <li>B. Various types of fires, their prevention and control</li> <li>C. Fire Detection Equipment</li> </ul>	
Library	Main	
	<ul style="list-style-type: none"> <li>1. Collection of Occupational Safety and Health Legislation, Directorate of Occupational Health and Safety Norms Supervision, Directorate General of Manpower and Transmigration, Ministry of Manpower and Transmigration of the Republic of Indonesia, 2005</li> <li>2. Suma'mur PK 1995. Occupational Safety and Accident Prevention. Jakarta: PT Toko Gunung Agung</li> <li>3. Suma'mur PK 1995. Company Hygiene and Occupational Health. Jakarta: PT Toko Gunung Agung.</li> <li>4. Roger L Braurer. 2006. Safety and Health for Engineers. New York: John Wiley &amp; Sons, Inc.</li> <li>5. Silalahi, BNB and Silalahi, RB 1991. Occupational Safety and Health Management. Jakarta: PT Pustaka Binaman Pressindo</li> <li>6. Harrington, JM &amp; FS Gill, 2003, Occupational Health, EGC, Jakarta</li> <li>7. K3 Tourism. Qomaryatus et al. 2022. Bintang Pustaka, Yogyakarta</li> </ul>	

	Supporters		
	1. Napitupulu, P. 2010. Hygiene and Food Sanitation in Hotel Kitchens. 2. Sri Rejeki 2017, Sanitation, Hygiene and Occupational Health & Safety (K3) Engineering Science, Bandung		
Instructional Media	Software :	Hardware :	
	Gmeet, Zoom, GCR, VLM	LCD and Projector	
Team Teaching	1. Dr. Rita Parmawati, SP., ME		
Course Requirements	-		

<b>Week 2-</b>	<b>Sub-CP-MK (as the expected final capability)</b>	<b>Indicator</b>	<b>Assessment Criteria &amp; Forms</b>	<b>Learning methods (Lectures / Assignments / other forms of learning)</b>	<b>Time (Duration)</b>	<b>Learning Materials / Study Materials [Library]</b>	<b>Assessment Weight (%)</b>
<b>1</b>	Students are able to know and understand the background of the implementation of K3 in the world of tourism and its relationship to	Ability to : 1.Explaining the importance of K3 2.Explain the main objectives of	Assessment criteria:  Understand properly the implementation of	▪ Lecture and Q&A  ▪ Group presentations and class discussions	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Introduction  1.Occupational safety and health objectives 2.Occupational Safety and Labor Protection	5%

	production and productivity.	occupational safety in the workplace. 3.Explaining the relationship between K3 and production and productivity	K3 in the tourism world  Form of assessment: ▪ Exam basis: UTS			3.Occupational safety and productivity	
<b>2</b>	Students are aware of the regulations and laws regarding K3 that apply in Indonesia.	Ability to explain applicable K3 regulations and legislation in Indonesia	Assessment criteria:  Understand the applicable K3 regulations and legislation in Indonesia  Form of assessment:  ▪ Exam basis: UTS	▪Lecture and Q&A  ▪ Group presentations and class discussions	[TM:3x50']  [BM+TT : {1+1}x{3x60'}]	Legal basis and Occupational Safety and Health Regulations.  1.Law no. 1 of 1970 2.Provisions on protection in the world of tourism and on workers and visitors	8%
<b>3</b>	Students understand the benefits of implementing SMK3 in the tourism world and the steps for implementing it.	Ability to explain the benefits of implementing SMK3 in the tourism world and the steps for implementing it.	Assessment criteria:  ▪ Understand about SMK3 and the steps to implement it	▪Lecture and Q&A  ▪ Group presentations and class discussions	[TM:3x50']  [BM+TT : {1+1}x{3x60'}]	Occupational Health and Safety Management System (K3)  1. Development of SMK3	5%

			Form of assessment:  ▪ Exam basis: UTS			2. Benefits of implementing SMK3	
<b>4</b>	<b>QUIZ I</b>						
<b>5</b>	Students know and understand the basic concepts of safety, accidents, and the scope of accident prevention in the tourism sector.	Students are able to explain the theory of work accidents and provide examples of the causes of work accidents and their classification.	Assessment criteria:  ▪ Understand the basic concepts of K3 and its prevention  Form of assessment:  ▪ Exam basis: UTS	▪ Lecture and Q&A  ▪ Group presentations and class discussions	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Work Accidents in the Tourism World  1.Theories of work accidents 2.Causes of Work Accidents 3.Classification of Work Accidents	6%
<b>6</b>	Students know and understand the basic concepts of safety, accidents, and the scope of accident prevention in the tourism sector.	Students are able to explain the theory of work accidents and provide examples of the causes of work accidents and their classification.	Assessment criteria:  ▪ Understand the basic concepts of K3 and its prevention  Form of assessment:  ▪ Non-exam basis: Assignments	▪ Lecture and Q&A  ▪ Group presentations and class discussions	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Work Accidents in the Tourism World  1.Theories of work accidents 2.Causes of Work Accidents 3.Classification of Work Accidents	8%



			▪ Exam basis: UTS				
<b>7</b>	Students are aware of work problems and hazards and are able to analyze work accidents.	Students are able to explain how to recognize hazards and their causes, as well as calculate accident frequency and severity levels.	Assessment criteria: ▪ Understand work problems and hazards Form of assessment: ▪ Non-exam basis: Group presentations and class discussions & Assignments ▪ Exam basis: UTS	Studying  Discussion  Question and answer	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Work Accident Analysis:  1. Recognize the dangers and their causes. 2. Work Accident Statistics	8%
<b>8</b>	<b>UTS</b>						
<b>9</b>	Students understand the scope of hygiene and sanitation in the tourism sector and understand the various formal policies or regulations regarding hygiene and sanitation that apply.	Students are able 1. Explaining the meaning of hygiene and sanitation 2. Provide examples and explain the sources of disease	Assessment criteria: ▪ Understand the scope of hygiene and sanitation in the tourism sector Form of assessment:	▪ Lecture and Q&A	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Understanding of:  1. Legal System in China's Economy 2. Relationship between Legal System and Market in China's Economic Development	10%

		3. Conduct work environment monitoring	<ul style="list-style-type: none"> <li>▪ Exam basis: UAS</li> </ul>				
<b>10</b>	Students know the various types of diseases that can be caused by risky jobs, along with various prevention efforts.	Students are able to: Explain various factors causing occupational diseases and types of occupational diseases and their prevention.	Assessment criteria: <ul style="list-style-type: none"> <li>▪ Understand the factors that cause work-related diseases and how to prevent them</li> </ul> Form of assessment: <ul style="list-style-type: none"> <li>▪ Exam basis: UAS</li> </ul>	Lecture and Q&A	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Understanding of:  Occupational Diseases  1. Factors causing occupational diseases 2. Types of occupational diseases 3. Prevention of occupational diseases	10%
<b>11</b>	Students know the Personal Protective Equipment that is appropriate for the type of work in the tourism sector.	Students are able to: Provide examples and explain Personal Protective Equipment that is appropriate for the type of work.	Assessment criteria: <ul style="list-style-type: none"> <li>▪ Understand Personal Protective Equipment that is appropriate for the type of work in the tourism sector</li> </ul> Form of assessment: <ul style="list-style-type: none"> <li>▪ Exam basis: UAS</li> </ul>	Lecture and Q&A	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Understanding of:  1. Personal Protective Equipment Eye and face protection 2. Skin and body protector 3. Respiratory protection 1. Hearing protection	10%

12	QUIZ II						
13	Students learn about handling and storing chemical materials	Students are able to provide examples of safe ways to work with hazardous chemicals.	Assessment criteria: <ul style="list-style-type: none"> <li>Understand how to handle and store chemicals</li> </ul> Form of assessment: <ul style="list-style-type: none"> <li>Exam basis: UAS</li> </ul>	Lecture and Q&A	[TM:3x50']  [BM+TT : {1+1}x{3x60'}]	Understanding of: Chemical Handling Safety  1. Material Safety Data Sheet (MSDS) 2. Chemical storage	10%
14	Students know and understand aspects of preventing work accidents that can occur in the tourism sector.	Students are able to: Provide examples of how to prevent accidents in the tourism sector.	Assessment criteria: <ul style="list-style-type: none"> <li>Understand how to prevent work accidents</li> </ul> Form of assessment: <ul style="list-style-type: none"> <li>Non-exam basis: Group presentations and class discussions &amp; Assignments</li> <li>Exam basis: UAS</li> </ul>	Lecture and Q&A  <ul style="list-style-type: none"> <li>Group presentations and class discussions</li> </ul>	[TM:3x50']  [BM+TT : {1+1}x{3x60'}]	Understanding of: Occupational safety in tourism sector  1. Types of dangers to tourism actors and consumers 2. Protection techniques against dangers for tourism actors and consumers 1. Types of dangers for tourism actors and consumers	10%

						2. Protection techniques for tourism actors and consumers	
15	Students understand and know the prevention and handling of fire hazards and the types of fire extinguishing equipment and materials.	Students are able to: Provide examples and explain all efforts to prevent fire hazards.	Assessment criteria: <ul style="list-style-type: none"> <li>▪ Understand the efforts to prevent fires</li> </ul> Form of assessment: <ul style="list-style-type: none"> <li>▪ Exam basis: UAS</li> </ul>	• Lecture and Q&A • Group presentations and class discussions	<b>[TM:3x50']</b>  <b>[BM+TT : {1+1}x{3x60'}]</b>	Fire Hazard Protection:  1. Causes of fire hazards. 2. Various types of fires, their prevention and handling. 3. Fire detection equipment. 4. Fire extinguishing equipment	10%
16	UAS						

## **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
Quiz	15%
UTS	15%
<b>Case Base</b>	<b>50%</b>
UAS	20%

### CPL assessment and evaluation table at MK

Week to:	CPL	CPMK	Questions (Weight%)	Assessment Weight (test/non-test)	Weight (%)
1	1,2,3	1	Task 1 Essay Quiz Questions 1 (Material 1)	2.5 2.5	5
2	1,2,3	1	Task 2 Essay Quiz Questions 1 (Material 2) Mid-term exam questions (Question 1)	2.5 2.5 3	8
3	1,2,3	1	Task 3 Essay Quiz Questions 1 (Material 3)	2.5 2.5	5
4	1,2,3	1	<b>QUIZ I: material 1, material 2, and material 3</b>		
5	1,2,3,4	2	Task 4 Mid-term exam questions (Question 2)	3 3	6
6	1,2,3,4	2	Task 5	4 4	8

			Mid-term exam questions (Question 3)		
7	1,2,3,4,6,	2,3,4	Task 6 Mid-term exam questions (Question 4)	4 4	8
1. <b>Mid-Semester Exam (UTS): Question 1, Question 2, Question 3, and Question 4</b>					
9	1,2,3,4	2,3,4	Task 7 Essay Quiz Questions 2 (Material 4) Final Exam Questions (Question 5)	2.5 2.5 5	10
10	1,2,3,4,6,	2,3,4	Task 8 Essay Quiz Questions 2 (Material 5)	5 5	10
11	1,2,3,4,6,	2,3,4	Task 9 Essay Quiz Questions 2 (Material 6)	5 5	10
12	1,7,8	2,3,4	<b>QUIZ 2: Material 4, Material 5, and Material 6</b>		
13	1,2,3,4	2,3,5	Task 10 Final Exam Questions (Question 6)	5 5	10
14	1,2,3,4	2,3,5	Task 11 Final Exam Questions (Question 7)	5 5	10
15	1,2,3,4,6,	2,3,5	Task 12 Final Exam Questions (Question 8)	5 5	10
16. <b>Final Semester Exam (UAS): Question 5, Question 6, Question 7, and Question 8</b>					
<b>Total weight (%)</b>				<b>100</b>	<b>100</b>

**DETERMINATION OF FINAL VALUE**

<b>Final Value Range (NA)</b>	<b>Quality Letters</b>	<b>Quality Score</b>
> 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	CPMK4	CPMK5
Quiz 1	1	0	0	0	0
Quiz 2	0	0.3	0.3	0.4	0
Task 1	1	0	0	0	0
Task 2	1	0	0	0	0
Task 3	1	0	0	0	0
Task 4	0	1	0	0	0
Task 5	0	1	0	0	0
Task 6	0	0.4	0.4	0.2	0
Task 7	0	0.2	0.3	0.5	0
Task 8	0	0.2	0.3	0.5	0
Task 9	0	0.2	0.4	0.4	0
Task 10	0	0.2	0.2	0	0.6
Task 11	0	0.2	0.2	0	0.6
Task 12	0	0.2	0.2	0	0.6
UTS1	0.4	0.3	0.3	0	0
UAS1	0	0	0.3	0.3	0.4