ALMA ATA UNIVERSITY

FACULTY OF COMPUTER AND ENGINEERING
BACHELOR OF INFORMATICS ENGINEERING STUDY PROGRAMME

SEMESTER LEARNING PLAN

COURSE (MK)	CODE	Study Material (BK)	WEIGHT (credits)		SEMESTER	Date of Preparation
Capita Selekta	INF034	Social Issues and Professional Practice;	T [Theory] = 3	P[Practice] = 0	(8) Eight	23 August 2023

RESPONSE		Semester Learning Plan Developer	Study Material Coordinator	Head of study programme
		Wahit Desta Prastowo, S.Kom.,M.Kom	Dita Danianti, S.Kom., M.Kom	Dhina Puspasari Wijaya, S.Kom., M.Kom

Learning Outcomes	SLOs that are imposed on MKs		
	CPL10	Ability to design, implement and evaluate multi-platform computing-based solutions that meet the computing needs of an organisation.	
	Course Learning Outcomes (CPMK)		
	CPMK101	Able to design multi-platform computing-based solutions that meet the computing needs of an organisation.	
	CPMK102	Able to implement multiplatform computing-based solutions.	
	End ability of each learning stage (Sub-CPMK)		

Correlation of CPMK to Sub-CPMK	

Course Learning Outcomes		Supported SLOs
CPMK Code	**Description of CPMK**	
CPMK101	Able to design multi-platform computing-based solutions that meet the computing needs of an organisation.	CPL10
CPMK102	Able to implement multiplatform computing-based solutions.	CPL10

Brief description of the course	The material taught includes server side, client side, Javascript, basic PHP structures, conditions and loops, view controller models, handling, and more. forms, arrays and functions, strings and dates, file directories, database connections, session and cookies management, creating applications with PHP and MySQL.
Study Material: Learning Materials	BK01 - Social Issues and Professional Practice
Library	**Main:**
	1. CAPITA SELEKTA DESAIN: An Introduction to the Development and Influence of Design. (2016). (n.p.): ISI Padangpanjang. 2. SWOT Analysis Guide for Business Success: Don't Create a Business Strategy Before Reading This Book. (2019). (n.p.): Anak Hebat Indonesia. 3. Follett, C., McHaffie, P., Hwang, S. (2018). GIS: An Introduction to Mapping Technologies. United Kingdom: CRC Press. 4. Iversen, J., Eierman, M. (2013). Learning Mobile App Development: A Hands-on Guide to Building Apps with IOS and Android (n.p.): Pearson Education. 5. Glisic, S. G. (2016). Advanced Wireless Networks: Technology and Business Models. Germany: Wiley.
	Supporters:
	-
Lecturer	Wahit Desta Prastowo, S.Kom.,M.Kom
Prerequisite Courses	-

Week 1	End ability of each learning stage (Sub-CPMK)	Indicators	Criteria and Techniques	Form of Learning; Learning Methods; Student Assignments; [Time Estimation]		Learning Materials [Library]	Assessment Weight (%)
				Offline (5)	Online (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to explain the basic concepts of capita selecta	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
2	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to know about Business Strategy Planning SWOT Analysis and Porter Analysis	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
3	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to understand and describe internet technology a n d related applications	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
4	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to understand and describe the standard web design, how to work web and language used in building the web.	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
5	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to understand about understanding and a philosophy open source	Practical Results; Participation (Attendance/Quiz)	Student centred learning	Asynchronous	1,2,3,4,5	5
6	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students are able to show the development of software and its types	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
7	Sub-CLO 1011 - Ability to design software that supports multi-platform technologies in an organisation.	Students understand the Trend of Information Software	Accuracy of UTS Answers; Written Test (UTS)	Student centred learning	Asynchronous	1,2,3,4,5	10
8	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to understand about cloud computing technology	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
9	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to For students to know the development of search engines and search engine development strategies.	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5

10	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to explain and demonstrate mobile development standards Application.	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
11	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to explain the concept of GIS (geographic information system)	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
12	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to explain the use of network technology both wire and wireless	Practical Results; Observation (Practical/Assignment)	Student centred learning	Asynchronous	1,2,3,4,5	5
13	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to explain the role of data base	Presentation Quality; Performance	Student centred learning	Asynchronous	1,2,3,4,5	5
14	Sub-CPMK1021 - Ability to implement software that supports multi-platform technology in an organisation.	Students are able to explain the role of EIS and DSS	Accuracy of UAS Answers; Written Test (UAS)	Student centred learning	Asynchronous	1,2,3,4,5	10

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	ALMA ATA UNIVERSITY **FACULTY OF COMPUTER AND ENGINEERING** **BACHELOR OF INFORMATICS ENGINEERING STUDY PROGRAMME**			

SEMESTER LEARNING PLAN

COURSE (MK)	CODE	Study Material (BK)	WEIGHT (credits)		SEMESTER	Date of Preparation
Final Project / Thesis	INF035	Project Management ; User Experience Design ; Programming Languages ; Intelligent Systems ; Intelligent Systems ; Human-Computer Interaction ; Self-Development ; Research Methodology ;	T [Theory] = 6	P[Practice] = 0	(8) Eight	24 January 2024

	Semester Learning Plan Developer	Study Material Coordinator	Head of study programme
RESPONSE	Dita Danianti, S.Kom., M.Kom	Dita Danianti, S.Kom., M.Kom	Dhina Puspasari Wijaya, S.Kom., M.Kom

Learning Outcomes	**SLOs that are imposed on MKs**		
	CPL06	Team management and team work skills, self-management, good oral and written communication and presentation skills.	
	CPL08	Ability to implement computing requirements by considering various appropriate methods/algorithms.	
	CPL09	Ability to analyse, design create and evaluate user interfaces and interactive applications by considering user needs and transdisciplinary science developments.	
	Course Learning Outcomes (CPMK)		
	CPMK091	Able to analyse and design user interfaces and interactive applications by considering user needs and the development of transdisciplinary science.	
	CPMK062	Able to self-manage	
	CPMK063	Able to present ideas orally and in writing	
	CPMK081	Able to analyse and design computing needs correctly.	
	CPMK084	Able to fulfil computing-based needs.	
	CPMK091	Able to analyse and design user interfaces and interactive applications by considering user needs and the development of transdisciplinary science.	
	End ability of each learning stage (Sub-CPMK)		

Correlation of CPMK to Sub-CPMK	

Course Learning Outcomes		**Supported SLOs**
CPMK Code	**Description of CPMK**	
CPMK091	Able to analyse and design user interfaces and interactive applications by considering user needs and the development of transdisciplinary science.	CPL09
CPMK062	Able to self-manage	CPL06
CPMK063	Able to present ideas orally and in writing	CPL06
CPMK081	Able to analyse and design computing needs correctly.	CPL08
CPMK084	Able to fulfil computing-based needs.	CPL08
CPMK091	Able to analyse and design user interfaces and interactive applications by considering user needs and the development of transdisciplinary science.	CPL09

Brief description of the course	Final Project / Thesis course students to understand and be able to apply the Basic Concepts of Research. The material presented includes: methods, scope and cycle of research, general stages of research, research variables, survey research methods, problem solving research, experimental research, development research, techniques for making proposals and research reports. At the end of the lecture students are required to write a Final Project proposal that will be done.	
Study Material: Learning Materials	methods, scope and cycle of research, general stages of research, research variables, survey research methods, problem solving research, experimental research, development research, techniques for making research proposals and reports.	
Library	**Main:**	
	1. Thesis Guidelines	
	Supporters:	
	-	
Lecturer	Dita Danianti, S.Kom., M.Kom	
Prerequisite Courses	Research Methodology	

Week 1	End ability of each learning stage (Sub-CPMK)	Indicators	Criteria and Techniques	Form of Learning; Learning Methods; Student Assignments; [Time Estimation]		Learning Materials [Library]	Assessment Weight (%)
				Offline (5)	Online (6)		
(1)	(2)	(3)	(4)			(7)	(8)
1	CPMK0621 - Self-management skills in software project management	Able to determine the thesis topic	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
2	CPMK0621 - Self-management skills in software project management	Able to search for scientific literature as a theoretical basis in development, or design, or research for a thesis	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
3	CPMK0631 - Ability to present software project ideas orally and in writing	Able to prepare background, problem formulation, objectives, benefits of thesis	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
4	CPMK0631 - Ability to present software project ideas orally and in writing	Able to compile a literature review	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
5	CPMK0811 - Ability to correctly analyse and design solutions for software projects.	Able to organise methods	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
6	CPMK0811 - Ability to correctly analyse and design solutions for software projects.	Able to prepare methods	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
7	CPMK0811 - Ability to correctly analyse and design solutions for software projects.	Able to organise methods	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
8	CPMK0841 - Ability to meet the needs of social network analysis in related organisations.	Able to explain scientific writing	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
9	CPMK0841 - Ability to meet the needs of social network analysis in related organisations.	Mastering the implementation of data collection for research	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
10	CPMK0841 - Ability to meet the needs of social network analysis in related organisations.	Able to analyse and process data	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
11	CPMK0911 - Ability to analyse and redesign user interfaces in interactive software applications	Data discussion	Accuracy of Answer; Observation (Practice/Task)	Student centred learning	Asynchronous	1,2,3	5
12	CPMK0911 - Ability to analyse and redesign user interfaces in interactive software applications	Data discussion	Accuracy of Answer; Performance	Student centred learning	Asynchronous	1,2,3	5

| 13 | CPMK0911 - Ability to analyse and redesign user interfaces in interactive software applications | Drafting conclusions | Accuracy of Answer; Performance | Student centred learning | Asynchronous | 1,2,3 | 5 |
| 14 | CPMK0911 - Ability to analyse and redesign user interfaces in interactive software applications | Presentation of the thesis in scientific writing | Presentation Quality; Performance | Student centred learning | Asynchronous | 1,2,3 | 15 |