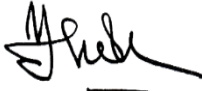


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Process	Person in Charge			Date
	Name	Position	Signature	
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Reviewed by	Prisa Marga Kusumantara, S.Kom., M.Cs	Head of Study Program Quality Assurance Unit		03 Maret 2019
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Authorized by	Dr. Ni Ketut Sari, MT	Dean		07 Maret 2019

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1. BASIS OF EMANCIPATED LEARNING

The preparation of the MBKM curriculum in the Information Systems Study Program is based on:

- The Rector Regulation No. 02 of 2019 concerning the academic mobility at the "Veteran" National Development University in East Java.
- KKNI Curriculum Development Book Based on OBE in Information and Computer Science APTIKOM 2019.

2. VISION, MISSION, AND EDUCATIONAL OBJECTIVES OF FACULTY OF COMPUTER SCIENCE

Vision

"Becoming a Superior Computer Science Faculty with National Defense Character".

Misi

- Organizing education to produce graduates who master information technology, are highly competitive, and have the character of defending the country
- Develop research in the field of information technology and apply it to improve people's intelligence and welfare
- Organizing community service in the field of research-based information technology and local wisdom
- Organizing good and clean governance in order to achieve budget management accountability
- Developing the quality of superior human resources in attitudes and values, performance, mastery of knowledge, and managerial
- Improve the integrated facilities and infrastructure management system
- Increase collaboration with stakeholders in the fields of Education, Research, and Community Service

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Objectives

1. Produce graduates who are nationalist, professional, able to develop their potential, and are highly competitive,
2. Produce useful basic and applied research in the field of information technology,
3. Realizing community service in the field of research-based information technology and local wisdom,
4. Develop good and clean governance to achieve budget management accountability,
5. Produce superior human resources who are competent and highly competitive,
6. Improving adequate infrastructure with effective and efficient management,
7. Produce mutually beneficial cooperation between the Faculty and the government, industry, educational and research institutions, both at home and abroad.

3. SCIENTIFIC VISION OF STUDY PROGRAM AND EDUCATIONAL OBJECTIVES OF STUDY PROGRAM

The vision of the Information Systems Study Program is to become an excellent study program with the character of defending the country. This is manifested in the study program's scientific roadmap to build a Smart Village (Smart Village) where MSMEs will grow and develop with the support of technology/information systems.

Education Goal:

1. Produce graduates who have knowledge, and competence in the fields of management, planning, analysis, design, development, evaluation, audit, and governance of information system products to support organizational/business goals.
2. Produce graduates who are ethical, capable of literacy, communicate and collaborate well, and have a creative, innovative, and adaptive spirit to the dynamics of the organization/business that continues to change according to the trends of the times.

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3. Produce graduates who love their homeland, are smart for the nation and state, believe in Pancasila as the basis of the state, are willing to sacrifice for the nation and state, and have the initial ability to defend the country.

4. EVALUATION OF CURRICULUM

The KKNI-based curriculum currently used by the Information Systems Study Program is valid from 2019 to 2024. On the way, it underwent a slight change in early 2021 to accommodate a reduction in credits for several basic/general courses. This condition is addressed by adding/increasing learning outcomes in several core courses, so that the weight of the credits increases. And along with the implementation of the MBKM policy, the curriculum will also undergo changes again to accommodate the implementation of the policy. Not in the context of changing as a whole, but rather in the direction of rearranging the position of the courses in the curriculum.

In accordance with the direction of the university leadership, that students who take MBKM activities are entitled to learning equivalent to 20 credits; In addition to student exchange activities, and students who are targeted as participants are from two different generations, the existing curriculum needs to be changed in the placement of courses. Plots of core courses will prioritize positions in semesters 1 to 4. Then for the MBKM activity plots, they will be placed in semesters 5 and 6. While in semesters 7 and 8 they will again contain core courses of study programs.

In connection with the Information Systems Study Program recommending Student Exchange activities in semester 5, and MBKM Internships in semester 6 to be programmed by students, in addition to changing the position of the courses, it is also necessary to choose courses that are considered to have the same learning outcomes/similar as candidates. conversion of the internship activity. As for student exchange activities, students can be directed to take courses in semester 5 or other semesters in appropriate study programs, both on campus and off campus.

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5. GRADUATES PROFILE

No	Graduate Profile	Description of Graduate Profile
1	Bussiness Analyst	The key skill of a business analyst is to detect opportunities that can improve business operations while recommending technology, if necessary, to remove issues that impact costs, and productivity.
2	Analyst Systems (Analyst Systems + Software Developer)	Analyst Systems use IT systems within an organization to help them achieve their tactical business goals. This includes designing and developing new systems through configuring new software and hardware or using current systems.
3	System Integrator	The main task of a System Integrator is to analyze an IT-based system and program that is owned, or will be created, by an organization or company. The System Integrator is responsible for planning, coordinating, and analyzing the software systems it recommends.
4	Data Scientist	Data Scientist transforms complex data into easy-to-read formats. After that, the Data Scientist is expected to be able to find patterns and see trends so that they can make hypotheses. These conclusions can then be the basis for recommendations and company decision support tools to increase business value, starting from product development, marketing techniques, and business strategies. After formulating conclusions, Data Scientist is

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No	Graduate Profile	Description of Graduate Profile
		expected to be able to communicate technical concepts to non-technical users.
5	Systems Auditor	The Information Technology/System Auditor is in charge of supervising and controlling the overall information technology infrastructure. Auditors are responsible for information technology audits, so that they can run in tandem with financial audits and internal audits, or with other similar monitoring and evaluation activities.

6. LEARNING OUTCOMES (SN DIKTI)

Kode	Description of Program Learning Outcomes (PLO)
ATTITUDE ASPECTS	
S1	Believing in the oneness of God and able to demonstrate religious attitude.
S2	Upholding human values in carrying out tasks based on religion, morals, and ethics.
S3	Contributing in improving the quality of community life, nation and state and the advance of civilization based on Pancasila;
S4	Playing a role as a citizen who loves his/her homeland, having a nationalism and responsibility to the country and nation;
S5	Appreciating the diversity of cultures, point of view, religion and beliefs as well as opinion or the original findings of others;

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Kode	Description of Program Learning Outcomes (PLO)
S6	Working together, having social sensitivity and caring for community and environment;
S7	Law abiding and disciplined in community and state life;
S8	Internalizing values, norms and academic ethics;
S9	Demonstrating attitude of responsibility on work in his/her field of expertise independently;
S10	Internalizing spirit of independence, struggle and entrepreneurship.
GENERAL SKILLS ASPECT	
KU1	Able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise;
KU2	Able to demonstrate independent, quality, and measurable performance;
KU3	Able to examine the implications of the development or implementation of science and technology that pays attention to and applies humanities values according to their expertise based on scientific principles, procedures and ethics in order to produce solutions, ideas, designs or art criticism, compile scientific descriptions of the results of their studies in the form of a thesis or final project report , and upload it on the college website;
KU4	Able to compile a scientific description of the results of the studies mentioned above in the form of a thesis or final project report, and upload it on the university's website;
KU5	Able to make appropriate decisions in the context of solving problems in their area of expertise, based on the results of information and data analysis;
KU6	Able to maintain and develop a network with supervisors, colleagues, colleagues both inside and outside the institution;

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Kode	Description of Program Learning Outcomes (PLO)
KU7	Able to be responsible for achieving group work results and supervising and evaluating the completion of work assigned to workers under their responsibility;
KU8	Able to carry out the process of self-evaluation of the work group under their responsibility, and able to manage learning independently;
KU9	Able to document, store, secure, and retrieve data to ensure validity and prevent plagiarism.
KU10	Able to perform analysis & design using software and hardware engineering rules as well as algorithms by using tools and can show maximum results and conditions for business applications.
KU11	Have the ability to become a professional for database processing, software engineering, computer networks, computer graphics, and multimedia applications and have the ability to write research reports well and manage Information System projects, presenting the work.
KU12	Have life skills at the level of the S1 program (APTIKOM).
ASPECTS OF SPECIAL SKILLS	
KK1	Able to develop theories and methods/techniques in the domain of Management and Governance (MAGO) or Informatics Concepts (INCO).
ASPECTS OF KNOWLEDGES	
P1	Mastering theoretical concepts of Information Systems knowledge in general and theoretical concepts of specific sections in the field of knowledge in depth, and able to formulate procedural problem solving.
P2	Mastering theoretical concepts that examine, apply and develop as well as being able to formulate and be able to make the right decisions in solving problems.

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Kode	Description of Program Learning Outcomes (PLO)
P3	Have knowledge in the preparation of programming algorithms that are effective and efficient and can design, build and manage information system applications appropriately and accurately for decision-making support.
P4	Having knowledge in accordance with the learning achievement of the S1 Information Systems (APTIKOM) study program.

7. REFORM LEARNING OUTCOME (APTIKOM)

No	Description of Program Learning Outcomes (PLO)
PLO-1	Mastering in computing area
PLO-2	Critical Thinking and Scientific approach.
PLO-3	Technique and tools for computing practice.
PLO -4	Professional and Social Engagement.
PLO -5	Effective Communications.
PLO -6	Lifelong Learning
PLO -7	Leadership and Multi-disciplinary Team Work.
PLO -8	Entrepreneurship Quality.

8. MATRIX OF LEARNING OUTCOME CONFORMITY BETWEEN SN-DIKTI AND REFORM APTIKOM

PLO	PLO -1	PLO -2	PLO -3	PLO -4	PLO -5	PLO -6	PLO -7	PLO -8
PLO (SN DIKTI)								
S1		V				V		
S2				V		V		
S3				V		V		

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PLO	PLO -1	PLO -2	PLO -3	PLO -4	PLO -5	PLO -6	PLO -7	PLO -8
S4				V		V		
S5				V		V		
S6				V		V		
S7				V		V		
S8	V		V					
S9				V		V		
S10						V		V
KU1		V	V	V				
KU2			V	V				
KU3	V	V	V					
KU4		V		V				
KU5	V	V	V					
KU6				V	V		V	
KU7				V	V		V	
KU8				V	V	V	V	
KU9		V	V					
KU10	V		V					
KU11	V	V	V					
KU12	V		V	V				
KK1	V		V					
P1	V	V						
P2	V	V	V					
P3	V	V	V					
P4	V							

9. MATRIX OF RELATIONSHIP BETWEEN LEARNING OUTCOME AND GRADUATE PROFILES

Description of PLO		PL-1 Business Analyst	PL-2 Analyst Systems	PL-3 System Integrator	PL-4 Data Scientist	PL-5 Systems Auditor
PLO-1	Mastering in computing area	√	√	√	√	√
PLO-2	Critical Thinking and Scientific approach.	√	√	√	√	√
PLO-3	Technique and tools for computing practice.	√	√	√	√	

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PLO-4	Professional and Social Engagement.	√	√	√	√	√
PLO-5	Effective Communications.	√	√			√
PLO-6	Lifelong Learning	√	√	√	√	√
PLO-7	Leadership and Multi-disciplinary Team Work.	√	√	√		
PLO-8	Entrepreneurship Quality.	√	√	√	√	√

10. MATRIX PROGRAM LEARNING OUTCOMES (PLO) TO PROGRAM EDUCATIONAL OBJECTIVES (PEO) ALIGNMENT

PLO		PEO 1 (HARD SKILL)	PEO 2 (SOFTSKILL)	PEO 3 (STATE DEFENSE)
A	PLO-1	√		√
B	PLO-2	√	√	√
C	PLO-3	√		√
D	PLO-4	√	√	√
E	PLO-5		√	√
F	PLO-6		√	√
G	PLO-7		√	√
H	PLO-8		√	√

11. MATRIX: PROGRAM LEARNING OUTCOMES (PLO) TO COURSE DEVELOPMENT AND CREDIT HOUR ALLOCATION

No	Course (SKS)	PLO							
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8
Semester-1									

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No	Course (SKS)	PLO							
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8
1	INTRODUCTION TO INFORMATION SYSTEM (3 SKS)	V	V			V			
2	PROGRAMMING LANGUAGE 1 (3 SKS)	V	V	V					
3	LOGIC AND ALGORITHM (3 SKS)	V	V	V					
4	BUSINESS KNOWLEDGE (3 SKS)	V	V	V		V			
5	COMPUTATIONAL MATHEMATICS (3 SKS)	V	V	V		V			
6	ISLAMIC RELIGION (2 SKS)							V	V
7	PANCASILA (2 SKS)							V	V
Semester-2									
1	BUSINESS PROCESS ANALYSIS (3 SKS)	V	V	V					
2	DATABASE (3 SKS)	V	V	V					
3	PROGRAMMING LANGUAGE 2 (3 SKS)	V	V	V					
4	SOFTWARE ENGINEERING (3 SKS)	V	V			V			
5	ENGLISH (3 SKS)		V	V		V			
6	MANAGEMENT INFORMATION SYSTEM (3 SKS)	V	V	V	V				
7	CIVICS (2 SKS)						V	V	V
Semester-3									
1	DESKTOP PROGRAMMING (3 SKS)	V	V	V					
2	STRUCTURED QUERY LANGUAGE (3 SKS)	V	V	V					

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No	Course (SKS)	PLO							
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8
3	INFORMATION SYSTEM DESIGN AND ANALYSIS (3 SKS)	V	V	V					
4	RESEARCH METHODOLOGY (2 SKS)		V	V					
5	INFORMATION TECHNOLOGY GOVERNANCE (3 SKS)	V	V	V		V			
6	E-BUSINESS (3 SKS)	V	V	V					
7	EDUCATION OF STATE DEFENCE (3 SKS)				V	V	V	V	V
Semester-4									
1	DATA WAREHOUSE & OLAP (3 SKS)								
2	WEB PROGRAMMING (3 SKS)	V	V	V					
3	DATABASE ADMINISTRATION (3 SKS)								
4	INFORMATION SYSTEM SECURITY (3 SKS)	V	V	V					
5	ENTERPRISE SYSTEMS (3 SKS)	V	V	V		V			
6	INFORMATION TECHNOLOGY PERFORMANCE MEASUREMENT (3 SKS)	V	V	V					
7	INDONESIAN LANGUAGE (2 SKS)		V	V		V			
Semester-5 [Biru – Paket MBKM]									
1	ENTREPRENEURSHIP (3 SKS)				V	V		V	V
2	NETWORK MANAGEMENT AND DESIGN (3 SKS)	V	V	V					

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No	Course (SKS)	PLO							
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8
3	OPERATIONAL SYSTEM MANAGEMENT (3 SKS)	V	V	V		V			
4	INTEGRATED SYSTEM PROGRAMMING (3 SKS)	V	V	V					
5	SUPPLY CHAIN MANAGEMENT (3 SKS)	V	V	V					
6	COMPUTATIONAL STATISTICS (3 SKS)	V	V	V					
7	HUMAN COMPUTER INTERACTION (3 SKS)	V	V	V					
Semester-6 [Biru – Paket MBKM]									
1	INTERPERSONAL SKILLS (3 SKS)					V	V	V	
2	COMPUTER AND SOCIETY (3 SKS)	V	V	V	V				
3	COMPUTER ETHICS (3 SKS)							V	V
4	MP 1 (3 SKS)								
5	MK. CPL/P (3 SKS)								
6	MK. CPL/P (3 SKS)								
7	FIELD WORK PRACTICE (2 SKS)		V	V		V			
8	LEADERSHIP (2 SKS)				V	V		V	V
9	COMMUNITY SERVICES (2 SKS)		V		V	V	V	V	
Semester-7									
1	DATA MINING (3 SKS)	V	V						
2	MOBILE PROGRAMMING (3 SKS)	V	V	V					

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No	Course (SKS)	PLO							
		PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8
3	DECISION SUPPORT SYSTEM (3 SKS)	V	V		V	V			
4	INFORMATION SYSTEM AUDIT (3 SKS)	V	V	V					
5	INFORMATION SYSTEM PROJECT MANAGEMENT (3 SKS)	V	V	V		V		V	
6	MP 2 (3 SKS)								
SEMESTER-8									
1	UNDERGRADUATE THESIS (6 SKS)	V	V	V		V	V	V	
2	MP 3 (3 SKS)								
MATA KULIAH PILIHAN									
1	GEOGRAPHIC INFORMATION SYSTEMS (3 SKS)	V	V	V					
2	EXECUTIVE INFORMATION SYSTEM (3 SKS)	V	V	V		V			
3	EMERGING TECHNOLOGY (3 SKS)	V	V	V					
4	KNOWLEDGE BASED SYSTEM (3 SKS)	V	V	V		V			
5	SIMULATION AND MODELLING	V	V			V	V		
6	INFORMATION SYSTEM STRATEGIC PLANNING (3 SKS)	V	V			V			
7	INFORMATION TECHNOLOGY SERVICE MANAGEMENT (3 SKS)	V	V			V			

Note: the same table can be added for MBKM learning formats.

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12. COURSE ORGANIZATION OF THE STUDY PROGRAM

Smt	SKS	REGULAR COURSE GROUP				MBKM COURSE GROUP			
		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
I	19	7	• Introduction to Information System (3 SKS) • Programming Language 1 (3 SKS) • Logic and Algorithm (3 SKS) • Business Knowledge (3 SKS)	-	• Religion (2 SKS) • Pancasila (2 SKS)				



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Smt	SKS	REGULAR COURSE GROUP				MBKM COURSE GROUP			
		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			Computational Mathematics (3 SKS)						
II	20	7	- Business Process Analysis (3 SKS) - Database (3 SKS) - Programming Language 2 (3 SKS) - Software Engineering (3 SKS)	-	- English (3 SKS) - Civics (2 SKS)				



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Smt	SKS	REGULAR COURSE GROUP				MBKM COURSE GROUP			
		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			Management Information System (3 SKS)						
III	20	7	- Desktop Programming (3 SKS) - Structured Query Language (3 SKS) - Information System Design and Analysis (3 SKS) - Research Methodology (2 SKS)	-	State Defense (3 SKS)				



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		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			- Information Technology Governance (3 SKS) - E-Business (3 SKS)						
IV	20	7	- Data Warehouse & OLAP (3 SKS) - Web Programming(3 SKS) - Database Administrator (3 SKS)		Indonesian Language (2 SKS)				



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		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			- Information System Security (3 SKS) - Enterprise System(3 SKS) - Information Technology Performance Measurement (3 SKS)						
V	21	7	- Network Management and Design (3 SKS) - Operational System		Entrepreneurship (3 SKS)	7	- Network Management and Design (3 SKS) - Operational System		Entrepreneurship (3 SKS)



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		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			Management (3 SKS) • Integrated System Programming (3 SKS) • Supply Chain Management (3 SKS) • Computational Statistics (3 SKS) • Human Computer Interaction (3 SKS)				Management (3 SKS) • Integrated System Programming (3 SKS) • Supply Chain Management (3 SKS) • Computational Statistics (3 SKS) • Human Computer Interaction (3 SKS)		



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		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
VI	24	9	- Interpersonal Skills (3 SKS) - Computer and Society (3 SKS) - Computer Ethics (3 SKS)	- Elective Course-1 (3 SKS) - Enrichment Course (3 SKS) - Enrichment Course (3 SKS)	- Field Practice (2 SKS) - Leadership (2 SKS) - Community Services (2 SKS)	9	- Interpersonal Skills (3 SKS) - Computer and Society (3 SKS) - Computer Ethics (3 SKS)	- Elective Course-1 (3 SKS) - Enrichment Course (3 SKS) - Enrichment Course (3 SKS)	- Field Practice (2 SKS) - Leadership (2 SKS) - Community Services (2 SKS)
VII	18	6	- Data Mining (3 SKS) - Mobile Programming(3 SKS) - Decision Support System (3 SKS)	Elective Course-2 (3 SKS))	-	-	-	-	-



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		Total Courses	Compulsory Course Name/SKS	Elective Course Name/SKS	University Course Name/SKS	Total Courses	Compulsory Course Name/SKS	Elective Course Name /SKS	University Course Name /SKS
			- Information System Audit (3 SKS) - Information System Project Management (3 SKS)						
VIII	9	2	Undergraduate Thesis	Elective Course-3 (3 SKS)					
Total	150	52	37	5	10	16	9	3	4

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13. DISTRIBUTION OF COURSES FOR EVERY SEMESTER AND RECOGNITION IN MBKM PROGRAM

SEMESTER I							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221102	Introduction to Information System	3	-	-	3	
2	SI221104	Programming Language 1	2	-	1	3	
3	SI221103	Logic and Algorithm	2	-	1	3	
4	SI221105	Business Knowledge	3	-	-	3	
5	SI221118	Computational Mathematics	3	-	-	3	
6	UV21110X	Religion	2	-	-	2	
7	UV211107	Pancasila (Five National Principles)	2	-	-	2	
Total Study Load for Semester I			17	-	2	19	

SEMESTER II							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221108	Business Process Analysis	3	-	-	3	
2	SI221107	Database	2	-	1	3	
3	SI221106	Programming Language 2	2	-	1	3	
4	SI221116	Software engineering	3	-	-	3	
5	UV211112	English	3	-	-	3	
6	SI221112	Management Information System	3	-	-	3	
7	UV211108	Civics	2	-	-	2	
Total Study Load for Semester II			18	-	2	20	

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SEMESTER III							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221114	Desktop Programming	2	-	1	3	
2	SI221111	Structured Query Language	2	-	1	3	
3	SI221139	Information System Design and Analysis	2	-	1	3	
4	SI221137	Research Methodology	2	-	-	2	
5	SI221130	Information Technology Governance	3	-	-	3	
6	SI221129	E-Business	3	-	-	3	
7	UV211110	State Defense	2	-	1	3	
Total Study Load for Semester III			16		4	20	

SEMESTER IV							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221133	Data Warehouse & Olap	2	-	1	3	
2	SI221121	Web Programming	2	-	1	3	
3	SI221115	Database Administrator	2	-	1	3	
4	SI221123	Information System Security	2	-	1	3	
5	SI221117	Enterprise System	3	-	-	3	
6	SI221132	Information Technology Performance Measurement	2	-	1	3	
7	UV211109	Indonesian Language	2	-	-	2	
Total Study Load for Semester IV			15		5	20	

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SEMESTER V							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	UV211114	Entrepreneurship	2	-	1	3	MBKM: 1. State defense (Komcad) 2. Research 3. Humanitarian Project 4. Campus Teaching 5. Thematic Community Service Program 6. Independent Projects/Studies 7. Entrepreneurship Project 8. Intern
2	SI221110	Network Management and Design	2	-	1	3	
3	SI221109	Operational System Management	3	-	-	3	
4	SI221131	Integrated System Programming	2	-	1	3	
5	SI221124	Supply Chain Management	3	-	-	3	
6	SI221117	Computational Statistics	3	-	-	3	
7	SI221119	Human Computer Interaction	2	-	1	3	
Total Study Load for Semester V			17	-	4	21	

SEMESTER VI							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221101	Interpersonal Skills	3	-	-	3	MBKM: 1. State defense (Komcad) 2. Research 3. Humanitarian Project 4. Campus Teaching 5. Thematic Community Service Program 6. Independent Projects/Studies 7. Entrepreneurship Project 8. Intern
2	SI221127	Computer and Society	3	-	-	3	
3	SI221125	Computer Ethics	3	-	-	3	
4	SI221XXX	Elective Course 1	2	-	1	3	
5	SI221XXX	Enrichment Course 1	2	-	1	3	
6	SI221XXX	Enrichment Course 2	2	-	1	3	
7	SI221140	Field Practice	-	-	2	2	
8	UV211113	Leadership	2	-	-	2	
9	UV211115	Community Services	-	-	2	2	
Total Study Load for Semester VI			17	-	7	24	

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SEMESTER VII							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221134	Data Mining	2	-	1	3	
2	SI221126	Mobile Programming	2	-	1	3	
3	SI221122	Decision Support System	2	-	1	3	
4	SI221135	Information System Audit	2	-	1	3	
5	SI221128	Information System Project Management	2	-	1	3	
6	SI221XXX	Elective Course 2	2	-	1	3	
Total Study Load for Semester VII			12	-	6	18	

SEMESTER VIII							
No	Course Code	Course Name	Credits				RECOG. MBKM
			Theory	Laboratorium	Practice	Amount	
1	SI221136	Undergraduate Thesis	3	-	3	6	
2	SI221XXX	Elective Course 3	2	-	1	3	
Total Study Load for Semester VIII			5	-	4	9	

14. SEMESTER LESSON PLAN

Semester Lesson Plan Documents, individually documented for all Courses and MBKM Learning Forms