Module Description

Module name	Information System
Module level, if applicable	Bachelor of Informatics
Code, if applicable	21D12130602
Subtitle, if applicable	-
Course, if applicable	-
Semester(s) in which the module is taught	5th
Person responsible for the module	Dr. Amil Ahmad Ilham, ST., M.IT
Lecturer	1. Dr.AmilAhmad Ilham, ST, M.IT 2. Novy Nur R.A. Mokobombang, ST, MsTM 3. Muhammad Alief Fahdal Imran Oemar, S.T., M.SC.
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and offered in the 5th semester.
Type of teaching, contact hours	Teaching methods: [group discussion], [case study], [collaborative learning], [project-based learning]. Teaching forms: [lecture], [tutorial], [practicum]. CH : 08.00 - 16.00
Workload	For this course, students are required to meet a minimum of 90.75 hours in one semester, which consist of: - 26.67 hours for lecture, - 32.00 hours for structured assignments, - 32.00 hours for private study CH : 8.00 - 16.00
Credit points	2 credit points (equivalent with 3.4 ECTS)

Requirements according to the examination regulations	Students have participated in at least 80% of the learning activities (Academic Regulations, Chapter VII)
Recommended prerequisites	Artificial Intelligence, Visual Programming, Web-based Programming
Module objectives/intended learning outcomes	After completing the course, Students are able: **Intended Learning Outcomes (ILO):** **ILO 1 :** Have the knowledge of fundamental in Computing Science that includes basic theory and concepts of computer science, Mathematics and Statistics, Programming Algorithm, Software Engineering, Information Management and Digital Resilience, also the advance topics of eitherArtificial Intelligence, Data Science, Computer Network, Cloud Computing or Internet of Things **ILO 4 :** Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements by applying computer science theory and software development fundamentals **ILO 7 :** Perform a logical systematic procedure to solve problems, then communicate their ideas in a convincing and effective manner, either in written or orally, to propose solutions. **Course Learning Objective (CLO):** After attending the Information Systems Course for one semester, students can **solve information** and communication technology problems with data processing, Big Data, and Cloud Computing skills. Able to **recognize information** needs at each level and organizational structure, find data sources related to these needs, have an adequate description of information system design, and understand the principles of information system management. **Sub CLO :** ILO 1 ⇒ CLO 1 : Students are able to **recognize information** needs at each level and organizational structure, find data sources related to these needs, have an adequate description of information system design, and understand the principles of information system management.

	ILO 4 ⇒ CLO 2 : Students can **solve information** and communication technology problems with data processing, Big Data, and Cloud Computing skills. ILO 7 ⇒ CLO 3 : Students can **explain various information** systems in the needs of society
Content	Students will learn about : After attending the Information Systems Course for one semester, students can solve information and communication technology problems with data processing, Big Data, and Cloud Computing skills. Able to recognize information needs at each level and organizational structure, find data sources related to these needs, have an adequate description of information system design, and understand the principles of information system management.
Forms of Assessment	Assessment techniques: [observation], [participation], [written test]. Assessment forms: [quiz], [midterm exam], [final term exam], [assignment], [presentation] Quiz = 10%, Midterm exam = 20%, Finalterm exam = 20%, Assignment = 50% CLO 1 ⇒ ILO 1: 50% (Quiz, Midterm exam and Final term exam: written test) CLO 2 ⇒ ILO 4: 20% (Assignment: observation) CLO 3 ⇒ ILO 7: 30% (Presentation : participation)
Study and examination requirements and forms of examination	**Study and examination requirements:** - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the class due to sickness, etc. - Students must submit all class assignments before the deadline. **Form of examination:** Written exam: Essay
Media employed	Video conference, slide presentation, Learning Management System (LMS).
Reading list	**Main :**

	1. Davis, Gordon. B.,1999, Sistem Informasi Manajemen, Pustaka Binaman Pressindo, Jakarta. **Support :** 1. Kadir, Abdul., 2003, Pengenalan Sistem Informasi, Andi Offet Yogyakarta, 2003 2. https://www.mooc-list.com/course/information-systems-and-computer-applications-part-1-it-edx 3. https://mitpress.mit.edu/sites/default/files/titles/content/9780262015387_sch_0001.pdf Materials/handouts according to assignments and discussions of each meeting