



Module Description

Module name	Enterprise Systems
Module level, if applicable	Bachelor of Informatics
Code, if applicable	21D12142603
Subtitle, if applicable	-
Course, if applicable	
Semester(s) in which the module is taught	6 th
Person responsible for the module	Dr. Indrabayu., ST., MT., M.Bus.Sys
Lecturer	1. Dr. Indrabayu., ST., MT., M.Bus.Sys 2. Anugrayani Bustamin., ST., MT
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is an elective course and is offered in the 6 th semester.
Type of teaching, contact hours	Teaching methods: [group discussion], [collaborative learning], [problem-based learning]. Teaching forms: [lecture], [tutorial] CH : 8.00 - 16.00
Workload	For this course, students are required to meet a minimum of 136.00 hours in one semester, which consist of: - 40.00 hours for lecture, - 48.00 hours for structured assignments, - 48.00 hours for private study
Credit points	3 credit points (equivalent with 5.1 ECTS)



<p>Requirements according to the examination regulations</p>	<p>Students must have attended a minimum of 80% of classes and submitted all class assignments that are scheduled before the final tests.</p>
<p>Recommended prerequisites</p>	<p>-</p>
<p>Module objectives/intended learning outcomes</p>	<p>After completing the course, students are able:</p> <p>Intended Learning Outcomes (ILO):</p> <p>ILO 2: have the knowledge of basic entrepreneurship, full technology stack and web development.</p> <p>ILO 6: Perform effectively in a team, either as a member or leader, in activities related to the program's discipline</p> <p>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.</p> <p>Course Learning Objective (CLO):</p> <p>After completing the Enterprise System Course for one semester, students should demonstrate an entrepreneurial spirit independently and independently by understanding the concept of business functions. In addition, having the ability to think critically and innovatively by implementing science and technology in information systems that support business processes by applying knowledge of statistics, programming, and information systems for production concepts in companies, accounting concepts, and human resources in Enterprise Resources Planning (ERP). involving Big data technology.</p> <p>ILO 2 → CLO 1: Students are able to explain the concept and background of the development and structure of company information systems, as well as the concept of supply chain</p> <p>ILO 6 → CLO 2: Students are able to work in a team and explain the company's sales and marketing information system model, as well as manufacturing.</p> <p>ILO 7 → CLO 3: Students are able to present and understand the concept of Enterprise Resources Planning (ERP) technology</p>



<p>Content</p>	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. Concept, history, and background of enterprise information systems 2. Evolution of enterprise information systems 3. Supply chain within the company 4. Company information system and structure 5. Sales and marketing information system 6. Production process and operation information system in business 7. Induction in data mining 8. Enterprise Resources Planning (ERP) 9. Implementation of Methodology, Requirements Gathering, and system development
<p>Forms of Assessment</p>	<p>Assessment techniques: [observation], [participation], [oral test] Assessment forms: [assignment], [presentation]</p> <p>CLO 1 → ILO 2: 35% (MidTerm Exam: written Test) and 5% (Quizzes: written test)</p> <p>CLO 2 → ILO 6: 10% (Assignment1: participation) and 10% (Assignment2: participation).</p> <p>CLO 3 → ILO 7: 40% (Assignment: observation)</p>
<p>Study and examination requirements and forms of examination</p>	<p>Study and examination requirements:</p> <ul style="list-style-type: none"> - 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. - Students must attend the exam to get a final grade. <p>Form of examination: Written exam: Essay and Presentation</p>
<p>Media employed</p>	<p>Video conference, Slide Presentation, Learning Management System (LMS).</p>
<p>Reading list</p>	<ol style="list-style-type: none"> 1. Portugal, Victor and Sundaram, David, 2006, Business Process: Operational Solutions for SAP Implementation, IRM Press, London



	<ol style="list-style-type: none">2. Dhewanto, Wawan dan Falahah, 2007, Enterprise Resources Planning : Menyelaraskan Teknologi Informasi dan Strategi Bisnis, Penerbit Informatika:Bandung.3. Wallace, Thomas F and Kremzar, Michael H, 2001, ERP Making it Happens The Implementer’s Guide to Success with Enterprise Resources Planning, Jhon Willey & Sons, New York4. Goldratt, Eliyahu M and Cox, Jeff. 2004. The Goal : A Process of Ongoing Improvement. North River Press.
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