Information Technology Security Management

Module name	Information Technology Security Management
Module level	Undergraduate
Code	IF221215
Courses (if applicable)	Information Technology Security Management
Semester	5/6
Lecturer	Yisti Vita Via, S.ST, M.Kom (PIC) Firza Prima Aditiawan, S.Kom, M.TI
Language	Bahasa Indonesia and English
Relation to curriculum	Elective; 5th or 6th semester
Type of teaching, contact hours	Lectures, < 60 students,
Teaching Methods	project-based learning, problem-based learning
Workload	1. Lectures: 3 sks x 50 = 150 minutes (2 hours 30 minutes) per week. 2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week. 3. Private study: 3 x 60 = 180 minutes (3 hours) per week
Credit points	3 credit points (sks)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Mandatory prerequisites	Software Engineering
Courses description	This course introduces the principles and concepts of information technology security management that involve various aspects, both those acquired in previous semesters and the latest ones, especially standardized information technology security.

Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:	
	CO1 Students are able to explain terminologies in Information Security and Information Security Management. (C2, C3)	PLO9,PLO10
	CO2 Students are able to understand the concept of Information Technology design in KAMI index. (C2, C4)	PLO9,PLO10
	CO3 Students are able to design and implement security for Information Technology. (C3, C4)	PLO9,PLO10

Content	The content covered in this course involves Information Technology Security Management, which encompasses Information Security Governance, Information Security Risk Management, Information Security Framework, Information Asset Management, Information Technology and Information Security, and the Role of Information Technology in maintaining the level of Information Technology service. This course aims to support the information technology security management capabilities of an organization or company with a business strategy.

Media employed	LCD, whiteboard, websites, books (as references), online meeting, etc.
Assessments and Evaluation	One written Midterm assessment (60 minutes) and one final oral exam (30 minutes), two short computer-based quizzes, take home written assignments
Study and examination requirements and forms of examination	The final grade in the module is composed of: • Two short computer-based quizzes: 15% x 2 = 30% • Take-home written assignments : 15% • Written Midterm assessment: 25% • Final oral exam: 30% Students must have a final grade of 55.6% or higher to pass.
Reading List	● M. E. Whitman and H. J. Mattord, Management of Information Security, 7th ed. Boston, MA: Cengage Learning, 2020. ● B. v. Solms and R. v. Solms, The Information Security Management Handbook, 7th ed. Boca Raton, FL: CRC Press, 2020. ● J. Andress, The Basics of Information Security: Understanding the Fundamentals of Cybersecurity, 4th ed. Burlington, MA: Syngress, 2021. ● G. E. Clement, Information Security: A Manager's Guide. Birmingham, UK: Packt Publishing, 2021. ● W. Stallings, Cryptography and Network Security: Principles and Practice, 8th ed. Hoboken, NJ: Pearson, 2022.