

## Information Technology Audit

Module name	Information Technology Audit	
Module level	Undergraduate	
Code	IF221127	
Courses (if applicable)	Information Technology Audit	
Semester	7	
Lecturer	Afina Lina Nurlaili, S.Kom., M.Kom. (PIC) Firza Prima Aditiawan, S.Kom., MTI	
Language	Bahasa Indonesia and English	
Relation to curriculum	Mandatory; 7th semester	
Type of teaching, contact hours	Lectures, < 60 students	
Teaching Methods	Lecture, lab works, project	
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	Database System	
Courses description	In this course, students learn the concept of system audit including information technology audit, control procedures, risk management, disaster recovery plan for business continuity. The course discusses planning and implementing audit as well as the recommendation to increase the performance of the systems. The course also covers investigation, maturity evaluation and compliance evaluation in comparison with standard operating procedures and the governance	
Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:	
	<b>CO1</b> Students are able to understand the purpose of an information technology audit and identify process and information risks related to confidentiality, integrity and availability	PLO3, PLO4
	<b>CO2</b> Students are able to design and carry out audit processes that are suitable for enterprise needs	PLO3, PLO4
	<b>CO3</b> Students are able to design and implement procedures and control measures to manage risk effectively	PLO6, PLO10
	<b>CO4</b> Students are able to make recommendations for improving system performance by referring to examples of best practices, standards and regulations for information technology governance	PLO6, PLO10
Content	Planning and implementing audit processes. Investigation methods, analysis and maturity evaluation. Compliance evaluation based on the standard operating procedures. Recommendation for increasing risk management and system	
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, takehome written assignments	
Study and examination requirements and	The final grade in the module is composed of: <ul style="list-style-type: none"> <li>• Two short computer-based quizzes: 15% x 2 = 30%</li> <li>• Take-home written assignments : 15%</li> </ul>	

forms of examination	<ul style="list-style-type: none"> <li>• Written Midterm assessment: 25%</li> <li>• Final oral exam: 30%</li> </ul> <p>Students must have a final grade of 55.6% or higher to pass.</p>
Reading List	<ul style="list-style-type: none"> <li>• L. Turulja, A. Celjo, M. Pejić Bach, and N. Bajgorić, Integrating ERP Systems and Knowledge Management: Improving Information System Adoption and Enhancing Business Performance, Progress in IS series, 1st ed., Springer, 2024.</li> <li>• M. Gupta and R. Sharman (Eds.), Modernizing Enterprise IT Audit Governance and Management Practices, IGI Global, 2023.</li> <li>• Heuermann, Lewis. IT Audit Field Manual: Strengthen Your Cyber Defense Through Proactive IT Auditing. Packt Publishing, 2024. ISBN: 9781835468821. [Online]. Available:  <a href="https://portal.igpublish.com/iglibrary/obj/PACKT0007620?searchid=1754988780882raGVqXXXIERZuPb__Q~dd">https://portal.igpublish.com/iglibrary/obj/PACKT0007620?searchid=1754988780882raGVqXXXIERZuPb__Q~dd</a> </li> </ul>