

COURSE	Name : ICT Management and Audit
	Code : EE185261
	Credit(s) : 3
	Semester : II

Description of Course

This course material discusses the principle and model of national governance, Corporate IT Business Alignment, Enterprise IT Governance Framework, Basic IT audit and control, IT audit processes, organization and IT audit planning, IT procurement and implementation, operations and IT support, case study of ICT Audit and Fraud in company and government organization.

Learning Outcomes

Knowledge

(P02) Mastering engineering concepts and principles to develop the necessary procedures and strategies for systems analysis and design in the areas of power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics.

Specific Skill

(KK01) Being able to formulate engineering problems with new ideas for the development of technology in power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics.

General Skill

(KU11) Being able to implement information and communication technology in the context of execution of his/her work.

Attitude

(S09) Demonstrating attitude of responsibility on work in his/her field of expertise independently.
(S12) Working together to be able to make the most of his/her potential.

Course Learning Outcomes

Knowledge

Mastering the principle and model of national governance, Corporate IT Business Alignment, Enterprise IT Governance Framework, Basic IT audit and control, IT audit processes, organization and IT audit planning, IT procurement and implementation, operations and IT support, case study of ICT Audit and Fraud in company and government organization.

Skill

Able to explain and implement model of national governance, Corporate IT Business Alignment, one aspect of Enterprise IT Governance Framework, Basic IT audit and control, IT audit processes, organization and IT audit planning, IT procurement and implementation, operations and IT support.

Main Subjects

1. The principle and model of national governance
2. Corporate IT Business Alignment
3. Enterprise IT Governance Framework
4. Basic IT audit and control

-
5. IT audit processes
 6. Organization and IT audit planning
 7. IT procurement and implementation
 8. Operations and IT support
 9. Case study of ICT Audit and Fraud in company and government organization.

Reference(s)

- [1] Kementerian Kominfo, PANDUAN UMUM TATA KELOLA TEKNOLOGI INFORMASIDAN KOMUNIKASI NASIONAL, Permen Kominfo 41, 2007
- [2] Wim Van Grembergen, Enterprise Governance of Information Technology, Springer, 2009
- [3] JAMES A. HALL, INFORMATION TECHNOLOGY AUDITING and ASSURANCE, Cengage Learning Inc., 2011
- [4] Sandra Senft, Frederick Gallegos, Information Technology Control and Audit, CRC Press, 2009
- [5] Peraturan perundangan Republik Indonesia terkait dengan TIK Pemerintahan

Prerequisite(s)

--
