Information Technology Governance

Course Title: Information Technology Governance					
Course Code: CIT62013	**Student Workload:** 8.50 Hours / Weeks	**Credits:** 3 Credits (4.50 ECTS)	**Semester:** 4th Semester	**Frequency:** Even Semester	**Duration:** 16 Weeks/ Semester (*Lecture*: 14 weeks; *Midterm assessment*: 1 week; *Final assessment*: 1 week)

1	**Types of Courses:** Knowledge Course Specific Skills Course	**Contact Hours:** *Lecturing*: 2.50 Hours/ Week; *Practical Work*: 0.00 Hours/ Week	**Independent Study:** *Self-study:* 3.00 Hours/ Week; *Structured Assignment*: 3.00 Hours/ Week	**Class Size:** 40 Students

2 **Prerequisites for Participation** (If Applicable)**:**
Basic Information System Development

3 **Learning Outcomes:**

1. M1: Able to understand basic concepts, focus areas, and alignment of information technology governance.
2. M2: Able to understand and implement maturity models to measure the alignment of information technology governance
3. M3: Able to understand the concept of Balanced Scorecard and IT Balanced Scorecard for Information Technology Governance.
4. M4: Able to understand, describe, and implement IT evaluation activities in the organization.
5. M5: Able to understand, describe, and implement IT audit activities in the organization.
6. M6: Able to understand and describe the basic concepts of internal control and IT governance risk management.

4 **Subject aims/Content:**

At the end of the course, students are expected:

1. L1: Students can understand the basic concepts of information technology governance.
2. L2: Students can to understand the focus areas of information technology governance.
3. L3: Students can understand the alignment of information technology governance.
4. L4: Students can understand the concept of maturity model.
5. L5: Students can distinguish the types of information technology governance frameworks.
6. L6: Students can implement the information technology governance framework.
7. L7: Students can understand the concept of the Balanced Scorecard (BSC) for information technology governance.
8. L8: Students can understand the concept of IT Balanced Scorecard (IT BSC) for information technology governance.
9. L9: Students can understand the basic concepts of IT evaluation.
10. L10: Students can understand and describe the IT evaluation process.
11. L11: Students can understand the components of IT evaluation.
12. L12: Students can implement IT evaluation activities in the organization.
13. L13: Students can understand the basic concepts of IT audit.
14. L14: Students can understand and describe the IT audit process.
15. L15: Students can understand the components of an IT audit.
16. L16: Students can implement IT audit activities in the organization.
17. L17: Students can understand the basic concepts of risk management.
18. L18: Students can implement risk management in organizations.
19. L19: Students can understand the basic concepts of internal control in organizations.

5 **Teaching Methods:**
Lecturing, Group Discussion, Case-Based Learning

6 **Assessment Methods:**
Essay, multiple-choice, product assessment, anecdotal record/logbook

7	**This Course is Used in The Following Study Programme/s as Well:** -
8	**Responsibility for Course:** Andi Reza Perdanakusuma,
9	**Other Information:** Bibliography: 1. Cascarino, R. E. 2007. Auditor's Guide to Information Systems Auditing. New Jersey: John Wiley & Sons, Inc. 2. Grembergen, W. V. & Haes, S.D. 2008. Implementing Information Technology Governance: Models, Practices, and Cases. New York: IGI Publishing. 3. Grembergen, W.V. 2004. Strategies for Information Technology Governance. London; Idea Group Publishing. 4. Haes, S.D. & Grembergen, W.V. 2015. Enterprise Governance of Information Technology: Achieving Alignment and Value, Featuring COBIT 5. New York: Springer. 5. ISACA. 2013. Process Assessment Model. USA: ISACA. 6. Stoneburner, G., Goguen, A., & Feringa, A. 2002. Risk Management Guide for Information Technology Systems. Gaithersburg: NIST. 7. Weill, P. & Ross, J.W. 2004. IT Governance: How Top Performers Manage IT Decision Rights for Superior Results. Boston: Harvard Business School Press. 8. Cronholm, S. & Gobel, H. 2016. Evaluation of the Information Systems Research Framework: Empirical Evidence from a Design Science Research Project. Electronic Journal of Information System Evaluation 9. Cronholm, S. & Goldkuhl, G. 2003. Strategies for Information System Evaluation: Six Generic Types. Electronic Journal of Information System Evaluation 10. ISACA. 2013. COBIT 5: Process Assessment Model (PAM). USA: ISACA 11. CISA. 2016. CISA: Certified Information Systems Auditor Study Guide-Fourth Edition. Indianapolis: John Wiley & Sons, Inc 12. Kaisrer, A.K. 2017. Become ITIL Foundation Certified in 7 Days. New York: Apress 13. Recker, J. 2013. Scientific Research in Information Systems: A Beginner Guide. New York: Springer