

Enterprise Governance of IT (ML3FU07), 7.5 hp

The Enterprise Governance of IT is a course at the Ph.D. level. The course will run in the spring semester (February-May) through a number of seminars. The course schedule will be communicated in time before the course will start to the students registered in the course.

Course responsible

Professor Lazar Rusu

Prerequisite of the course

Only PhD students can participate in the course.

Aim of the course

Today in many organizations IT is playing a very important role for the business that requires a special focus on the IT Governance. According to IT Governance Institute (2003, p. 10) “*IT Governance is the responsibility of the board of directors and executive management. It is an integral part of enterprise governance and consists of the leadership and organisational structures and processes that ensure that the organisation’s IT sustains and extends the organisation’s strategies and objectives*”. In opinion of Weill and Ross (2004) top performing companies succeed by implementing effective IT governance in support of their strategies. Where by effective IT governance the authors means “*an actively designed set of IT governance mechanisms (e.g., committees, budgeting processes, approvals, IT organizational structure, chargeback, etc.) that encourage behavior consistent with the organization’s mission, strategy, values, norms and culture*” (Weill & Ross, 2004, p.2-3). Moreover according to Weill and Ross (2004, p.3-4) “*effective IT governance is the single most important predictor of the value an organization generates from IT*”. In this perspective the IT governance research has growth in importance in the last decade.

The aim of this course is to provide an overview of the main concepts and trends in IT Governance research and allow the students to discuss their papers in light of some of the most important research developments in this area.

Learning Objectives

After following the course, students should be able to:

- Explain the main concepts and trends in IT Governance research.
- Analyze the application of IT Governance concepts to empirical problems.
- Relate the latest research developments to his/her own research work.

Syllabus

- How Top-Performing Firms Govern IT (Weill, 2004)
- Structures, Processes and Relational Mechanisms for IT Governance (Van Grembergen et al., 2004)
- The IT Engagement Model (Fonstad and Robertson, 2006)
- IT Governance Implementations and its Impact on Business/IT Alignment (De Haes and Van Grembergen, 2009)
- Influencing the Effectiveness of IT Governance Practices Through Steering Committees and Communication Policies (Huang et al., 2010)
- IT Governance: An Alignment Maturity Perspective (Luftman et al., 2010)
- IT Governance and Business Performance (Lazic et al., 2011)
- A Multi-Theoretic Approach to IT Governance: The Need for Commitment as well as Alignment (Newell and Clark Williams, 2011)

- IT Governance Processes and IT Alignment (Kuruzovich et al., 2012)
- The Influence of Organizational Culture on IT Governance (Janssen et al., 2013)
- COBIT 5 and Enterprise Governance of IT (De Haes et al., 2013)
- How Information Technology Governance Mechanisms and Strategic Alignment Influence Organizational Performance: Insights From a Matched Survey of Business and IT Managers (Wu et al., 2015)

Teaching methods

The course will include a number of seminars focusing on the presentation and discussion of research in IT Governance and also of PhD students' papers.

Examination

The course requires the submission of a paper that applies IT governance concepts to empirical problems in a variety of domains. The length of the paper should be 10-12 pages. Papers must be written in English and submitted to the course responsible according to a deadline that will be communicated at the beginning of the course. The grading scale used in this PhD course is "Pass" or "Fail".

Course literature

- De Haes, S., and Van Grembergen, W. (2009) An Exploratory Study into IT Governance Implementations and its Impact on Business/IT Alignment, *Information Systems Management*, 26(2), 123-137
- De Haes, S., Van Grembergen, W., and Debreceny, R.S. (2013) COBIT 5 and Enterprise Governance of Information Technology: Building Blocks and Research Opportunities, *Journal of Information Systems*, 27(1), 307-324
- Fonstad, N. O., and D. Robertson (2006) Transforming a Company, Project by Project: The IT Engagement Model, *MIS Quarterly Executive*, 5(1), 1-14
- Huang, R., Zmud, R.W., and Leon Price, R. (2010) Influencing the Effectiveness of IT Governance Practices Through Steering Committees and Communication Policies, *European Journal of Information Systems*, 19(3), 288-302
- Kuruzovich, J., Bassellier, B. and Sambamurthy, V. (2012) IT Governance Processes and IT Alignment: Viewpoints from the Board of Directors, *Proceedings of the 45th Hawaii International Conference on System Sciences*, IEEE Computer Society
- Janssen, L.A., Luciano, E.M., and Testa, M.G. (2013) The Influence of Organizational Culture on IT Governance: Perception of a Group of IT Managers from Latin American Companies, *Proceedings of the 46th Hawaii International Conference on System Sciences*, IEEE Computer Society
- Lazic, M., Groth, M., Schillinger, C., and Heinzl, A. (2011) The Impact of IT Governance on Business Performance, *Proceedings of the Seventeenth Americas Conference on Information Systems (AMCIS 2011)*, Association for Information Systems
- Luftman, J., Ben-Zvi, T., Dwivedi, R., and Rigoni, E.H. (2010) IT Governance: An Alignment Maturity Perspective, *International Journal on IT/Business Alignment and Governance*, 1(2), 13-25
- Newell, S., and Clark Williams, C. (2011) A Multi-Theoretic Approach to IT Governance: The Need for Commitment as well as Alignment. In Galliers, R.D. and Currie, W. L. (Editors) *The Oxford Handbook of Management Information Systems: Critical Perspectives and New Directions*, Oxford University Press, US: New York, 415-443
- Van Grembergen, W., De Haes, S., and Guldentops, E. (2004) Structures, Processes and Relational Mechanisms for IT Governance. In Wim Van Grembergen (ed.), *Strategies for Information Technology Governance*, Hershey, PA: Idea Group Publishing, 1-36.

- Weill, P. (2004) Don't Just Lead, Govern: How Top-Performing Firms Govern IT, *MIS Quarterly Executive*, 3(1), 1-17
- Wu, S.P.J., Straub, D.W., and Liang, T.P. (2015) How Information Technology Governance Mechanisms and Strategic Alignment Influence Organizational Performance: Insights From a Matched Survey of Business and IT Managers, *MIS Quarterly*, 39(2), 497-518

Recommended literature

- De Haes, S., and Van Grembergen, W. (2015) *Enterprise Governance of Information Technology: Achieving Alignment and Value, Featuring COBIT 5*, 2nd ed., Springer International Publishing Switzerland
- IT Governance Institute (2003) Board briefing on IT governance (2nd ed.). Retrieved on February 5, 2015 from http://www.isaca.org/restricted/Documents/26904_Board_Briefing_final.pdf
- Weill, P., and Ross, J.W. (2004) *IT Governance: How Top Performers Manage IT Decision Rights for Superior Results*, Harvard Business School Press, Boston, MA, USA

Enrolment in the course

To apply for this course please contact the course responsible (lrusu@dsv.su.se).