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| Subject code | Credits |
| INF5016 | 6 |

Course title in Lithuanian

ELEKTRONINĖ KOMERCIJA IR IRT INFRASTRUKTŪRA

Course title in English

ICT INFRASTRUCTURE AND ELECTRONIC COMMERCE

Short course annotation in Lithuanian (up to 500 characters)

Kurso tikslas – suteikti studentams pagrindines žinias apie verslo procesus, modelius ir priemones; optimizuoti verslo procesus naudojant informacinių technologijų įrankius ir infrastruktūrinius sprendimus.

Short course annotation in English (up to 500 characters)

The purpose of this course is to provide students with basic knowledge on business processes, methods and approaches to business processes optimization using ICT tools and infrastructure.

Prerequisites for entering the course

BSc degree in Informatics or Business Administration

Course aim

The purpose of this course is to provide students with knowledge on business processes, ICT tools for e-business, and the role of ICT infrastructure in enabling electronic commerce and business.

Content

| No | Content (topics) |
|----|---|
| 1. | The global and local environment for e-commerce and e-business |
| 2. | Transactions as the basis of business and economy. Transaction processing systems |
| 3. | Organizations, business processes, and the types of IS in organizations |
| 4. | IT-induced business optimization |
| 5. | Structured and unstructured communication (EDI), OSI model |
| 6. | Standards and standardization (XML) |
| 7. | Digital and social media |
| 8. | Electronic channels, intermediaries, electronic markets |
| 9. | Integrated Enterprise Systems (IES) / Enterprise Resource Planning (ERP) |

Distribution of workload for students (contact and independent work hours)

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|---------------------------------|------------------|
| Lectures | 45 hours |
| Seminars | 15 hours |
| Group work | 15 hours |
| Individual students work | 85 hours |
| Total: | 160 hours |

Structure of cumulative score and value of its constituent parts

Seminars/home assignment: 30%, Mid-term exam: 20%, Exam: 50%.

Recommended reference materials

| No | Publication year | Authors of publication and title | Publishing house | Number of copies in | | |
|------------------------|------------------|--|--------------------|---------------------|------------------|--|
| | | | | University library | Self-study rooms | Other libraries |
| <i>Basic materials</i> | | | | | | |
| 1. | 2008 | Richard T. Watson, Pierre Berthon, Leyland F. Pitt, George M. Zinkhan. "Electronic Commerce: The Strategic Perspective." | GlobalText Project | | | Free online access, Creative Commons license |
| 2. | 2009 | Patrick McKeown. 2009. "Information Technology and the Networked | GlobalText Project | | | Free online access, Creative Commons license |

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|--------------------------------|------|---|--|---|---|--|
| | | Economy.” The GlobalText Project – Creative Commons license | | | | |
| 3. | 1999 | J. Christopher Westland, Theodore H.K. Clark. “Global Electronic Commerce: Theory and Case Studies.” | The MIT Press. ISBN 0-262-23205-7 | 1 | 1 | |
| Supplementary materials | | | | | | |
| 4. | 2011 | J. Gallagher. “Information Systems: A Manager's Guide to Harnessing Technology.” | FlatWorldKnowledge | | | |
| 5. | 2010 | K. Laudon, J. Laudon. “Essentials of MIS.” | Prentice Hall, ISBN-10: 0136110991 ISBN-13: 978-0136110996 | | | |
| 6. | 1994 | Venkatraman, N. “IT-Induced Business Transformation: From Automation to Business Scope Redefinition.” | <i>Sloan Management Review</i> 35 (2): 73–87. | http://www.cs.jyu.fi/el/tjtse56_10/TJTSE56_Syllabus_files/Venkatraman%20-%20IT%20Enabled%20Business%20Transformation%20-%20From%20Automation%20to%20Business%20Scope%20Redefinition.pdf | | |

Course programme designed by

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