

Course code IFI8101	<b>Information Society Approaches and ICT Processes</b>		
ECTS credits: 8	Contact hours: 40	Semester: Spring	Examination
Course objective:	Offer an opportunity to acquire a systematic overview about formation of the concept and technologies of information society as well as about IT solutions, problems and development trends that support the basic processes of information society.		
Brief description of course content:	<p>The course starts with an introductory lecture (one session – four academic hours). The lecture discusses the following topics: 1) The concept of information society: definitions and main authors. 2) The basic concepts and conceptions related to information society (postindustrial society, knowledge society, network society etc), the reasons/prerequisites for its development. 3) Structure, basic processes and activity areas of modern information society (social networks, knowledge management and services etc). 4) The influence of information society to societal, economical and cultural development. 5) Programs, institutions and research/analyses that support development of information society. 6) Frameworks of ICT processes of information society.</p> <p>Following the introductory lecture, each student will run a seminar of length 90 minutes in a topic of his/her topic.</p> <p>Independent work.</p> <p>Each student: 1) composes an analytical article on the topic of his/her seminar (30 000 - 40 000 characters), 2) prepares a seminar session for 90 minutes, 3) studies analytical articles and prepares questions and topics to discuss on seminar sessions led by fellow students, 4) composes a review on the analytical article of a fellow student.</p>		
Learning outcomes	<p>A student:</p> <ul style="list-style-type: none"> <li>• Possesses systematic knowledge about formation of the concept and technologies of information society;</li> <li>• Is able to analyze the possible influence of different aspects of information society to societal, economical and cultural development;</li> <li>• Knows IT solutions, problems and development trends that support the basic processes of information society;</li> <li>• Is able to compose analytical articles about information society and run seminars.</li> </ul>		
Assessment methods	Examination. Condition for admission to examination: participation on at least 75% of seminar sessions.		
Responsible lecturer	Peeter Normak		
Title in Estonian	Infoühiskonna käsitleused ja protsessid		

Prerequisite course	None
Compulsory literature	<ol style="list-style-type: none"> <li>1) OECD Guide to Measuring the Information Society, 2011. ISBN 978-92-64-11354-1. <a href="http://browse.oecdbookshop.org/oecd/pdfs/free/9311021e.pdf">http://browse.oecdbookshop.org/oecd/pdfs/free/9311021e.pdf</a></li> <li>2) Information Society. From Theory to Political Practice. Coursebook. ISBN 978-963-693-623-0 <a href="http://www.itk.hu/netis/doc/NETIS_Course_Book_English.pdf">www.itk.hu/netis/doc/NETIS_Course_Book_English.pdf</a></li> <li>3) Guidelines for completing the examination work of the course “Information Society Approaches and ICT Processes”. TLU Institute of informatics, 2014.</li> </ol> <p>Course materials can be found at <a href="http://www.tlu.ee/~pnormak/ISA">http://www.tlu.ee/~pnormak/ISA</a></p>
Replacement literature	<ul style="list-style-type: none"> <li>• Frank Webster (2006). Theories of the Information Society. Routledge, 3rd edition. ISBN 978-0415406338.</li> <li>• Jan Van Dijk (2012) The Network Society. London: Sage. Third Edition. ISBN 978-1446248968.</li> <li>• Robert W. McChesney (2013) Digital Disconnect: How Capitalism is Turning the Internet Against Democracy. The New Press. ISBN 978-1595588678.</li> <li>• Additional readings given by the teacher.</li> </ul> <p>The course cannot be completed based solely on replacement literature.</p>
Subscription to the course and examination	<p>All students of Information Society Technologies doctoral programme are eligible to subscribe to the course. All students who attended on at least 75% of classes are eligible to subscribe to the examination.</p> <p>The examination work consists of three parts:</p> <ol style="list-style-type: none"> <li>1) An analytical article on the topic of the student. This should be sent to the teacher at least three days before the class.</li> <li>2) Conduct a seminar according to the schedule.</li> <li>3) Review of one analytical article of a fellow student.</li> </ol> <p>For passing the examination, all three parts should be completed.</p> <p>The general requirements for the analytical article and the presentation are presented in the <i>Guidelines for completing the examination work of the course “Information Society Approaches and ICT Processes” (Guidelines)</i>.</p>
Requirements for independent work	Timely submission of the analytical article.
Assessment criteria	<ol style="list-style-type: none"> <li>1. Criterion (analytical article, 60% of the grade)</li> </ol> <p>A – The analytical article (AA) is excellent in most of the criteria stated in</p>

	<p>the <i>Guidelines</i> and very good in the others.  B – The AA is very good in most of the criteria.  C – The AA is good in most of the criteria.  D – The AA is satisfactory in most of the criteria.  E – The AA is satisfactory in most of the criteria and some important parts stated in the <i>Guidelines</i> are missing.</p> <p>2. Criterion (presentation on the seminar, 25% of the grade)  A – the presentation is excellent (it is topical, original, realistic, consistent, well structured, full of clarity, interesting, promotes discussion with the listeners and provides added value to the listeners).  B – the presentation is very good.  C – the presentation is good.  D – the presentation is satisfactory.  E – the presentation is weak.</p> <p>3. Criterion (review, 15% of the grade)  A – The review is completely adequate and thorough.  B – The review is adequate and thorough.  C – The review has some gaps (some significant aspects are not discussed).  D – The review has some deficiencies (some significant aspects are not discussed and some treated inadequately).  E – The review has significant deficiencies (several significant aspects are not discussed).</p>
<p>Information about the content of the course</p>	<p>The classes take place at 10:00-13:15 in A-402, with a 15 minutes brake.</p> <p>The titles of students' presentations are preliminary, and may change during the course.</p> <p>15.01</p> <ol style="list-style-type: none"> <li>1. Introduction to the course (incl. organization of the course and examination). Evolvement of the concept of information society: definitions and main authors. 2) The basic concepts and conceptions related to the concept of information society (postindustrial society, knowledge society, network society etc).</li> <li>2. Structure, basic processes and activity areas of modern information society (social networks, knowledge management and services etc). The influence of information society to societal, economical and cultural development. Programs, institutions and research/analyses that support development of information society. Frameworks of IT processes of information society.</li> </ol> <p>22.01</p> <ol style="list-style-type: none"> <li>1. Software Appropriation (Arman Arakelyan).</li> <li>2. Free Software Strategies (Edmund Laugasson).</li> </ol> <p>29.01</p> <ol style="list-style-type: none"> <li>1. Visual Aesthetics of Software (Mati Mõttus).</li> </ol>

	<p>2. Social Engineering (Aare Klooster).</p> <p>5.02</p> <p>1. Design Artifacts Influencing Business Decisions (Joanna Kwiatkowska).</p> <p>2. Serious Games in Improving Social Skills (Triinu Jesmin).</p> <p>12.02</p> <p>1. One-to-One Computing in Classrooms (Marina Kurvits).</p> <p>2. Activity Situated Semiotics in Human-Computer Interaction (Hanna-Liisa Pender).</p> <p>19.02</p> <p>1. ICT Integration into Teaching and Learning in Schools (James Sunny Quaiocoe)</p> <p>2. Wireless Mesh Networks (Mohammad Tariq Meeran).</p> <p>26.02</p> <p>1. Multi-agent Reinforcement of Learning (Karima Qayumee).</p> <p>2. Security Requirements of Software (Sayed Hassan Adelyar).</p> <p>5.03</p> <p>1. Agile Development of Large Information Systems (Abdul Wahid Samadzai).</p> <p>2. Educational Network Development Policies (Mohammad Salim Saay).</p> <p>12.03</p> <p>1. Management Information Systems in Public Sector (Baseer Ahmad Baheer).</p> <p>2. Information Security Practices in Public Sector (Mohammad Hadi Hedayati).</p> <p>26.03</p> <p>1. Uptake of Human Computer Interactions Implementations in Software Industry (Abiodun Oguniemi).</p> <p>2. Spare time.</p>
--	---

Academic unit:	Institute of Informatics
Author of the course programme	Peeter Normak
Signature:	/signed digitally/
Date:	27.12.2013

Couse programme is registered at the institute

Date:	17.01.2014
Study assistant:	Merilin Tohver
Signature:	