

Implementation plan Finished

Study unit	Implementing ICT Systems (A0109), 5.0
Implementation	NIA1311: 1/2013-2014 (26.08.2013 - 20.12.2013)
Type	DEVELOPMENT OF CORE COMPETENCES IN THE FIELD (A030)
Groups	Primary: NIA12SN Others :
Involved in the project	
Lecturers	Paresh Rathod
Number of participants	Minimum: Maximum:
Enrolment period	20.05.2013 08:00 - 02.06.2013
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	Rathod Paresh (Teacher in charge)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Other method of implementation, Project/venture/R&D, Web/virtual Language: English Virtuality: 0 cr Integration of R&D: 3 cr
Implementation class	
Focus areas	
Evaluation at the latest	19.01.2014 Storing of graded material ends.: 19.12.2014
Exam days	
Having completed the study unit the student is able to	• describe the structure of the World Wide Web as interconnected hypertext documents • create and validate HTML/XHTML documents • show how to display such documents in Web applications • demonstrate an understanding of dynamic web application development with markup languages. • describe the issues involved in developing a web interface • discuss and contrast data entry and validation techniques in client-side vs. server-side programming
Previous studies	Developing ICT Systems
Previous studies, more information	Developing ICT Systems (or) equivalent knowledge [For more information: Contact teacher in charge]
Learning objectives	The study unit introduces students to the developing and implementing process of ICT systems. Students are further deepens the knowledge of innovative rich internet applications(RIAs) development methodologies from the technical, business and social perspective. The goal of the study unit is to design, develop, and publish an innovative rich internet application using recommended design practices.
Contents	• web 2.0 rich internet application development methodologies • web-markup and display languages • web interfaces, Visual Elements and Graphics • web design, layouts and validation • web development, implementation and integration
Study material	Self-learning reference books: Web Development and Design Foundations with HTML5 Author - Terry Felke - Morris
Evaluation criteria and methods	On Optima
Work strain	150 hours for student learning Workshops 40 hours

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	Individual Lab Work 30 hours Self study 50 hours Guidance and Other 30 hours Total 150 hours
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Learning events

Date	o'clock/ath	Subject	Content	Status	Teachers
06.09.2013	12.30-16.00	Introduction of Study Unit	-Introduction to Study UnitWorkshop-1 on Introduction and key concept of the Internet and World Wide Web	206A	
13.09.2013	12.30-16.00	Workshop-2: Understanding the Web Design Environment	Workshop Details:Introduction to HTML5 and developing first web page	206A	
20.09.2013	12.30-16.00	Workshop-3: Web Page Style	Workshop - Configuring Color and Text with CSS	206A	
27.09.2013	12.30-16.00	Workshop-4: Visual Elements and Graphics	Workshop Details: The use of graphics and visual effects on web pages, including image optimization, CSS borders, CSS image backgrounds, new CSS3 visual effects, and new HTML5 elements.	206A	
04.10.2013	12.30-16.00	Workshop-5: Web Design	Workshop Details: The hands on practices focuses on recommended web design practices and accessibility.	206A	
11.10.2013	12.30-16.00	Workshop-6: Page Layout	Workshop Details: Continues the practice of CSS begun earlier and introduces techniques for positioning and floating web page elements, including a two-column CSS page layout. New HTML5 semantic elements are also introduced.	206A	
18.10.2013	12.30-16.00	Workshop-7: Web Links, Layout, and Mobile	Time: 12-30 - 14.00Workshop Details: Introduces more advanced techniques related to hyperlinks, using CSS sprites, a three-column page layout, configuring CSS for print, and designing pages for the mobile web. CSS media queries are	206A	

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				introduced as students configure a web page for both desktop and mobile display. Note: Submit Action Point Register		
25.10.2013	No meeting		No meeting	Self-study by students	No meeting	
01.11.2013	12.30-16.00		Workshop-8: Web page tables	Workshop Details: Focuses on the HTML elements used to create tables. Methods for configuring a table with CSS are introduced.	206A	
08.11.2013	12.30-16.00		Workshop-9: Web Forms (Self and Group Learning)	Workshop Details: Focuses on the HTML elements used to create forms. Methods for configuring the form with CSS are introduced. New HTML5 form control elements and attribute values are introduced.	206A	
15.11.2013	12.30-16.00		Self and Group Learning	Topic-10: Website Development: Focuses on the process of website development, including the job roles needed for a large-scale project, the web development process, and web hosting.	206A	
22.11.2013	12.30-16.00		Session for A9063	Session for A9063 Study Unit with Antonius		
29.11.2013	12.30-16.00		Workshop: Web Tables and Forms	Topic-11: Web media and interactivity: Covers topics related to adding media and interactivity to web pages. Note - Student Quality Assurance Feedback	206A	
06.12.2013	12.30-16.00		Study progress	Holidays - Independent Day of Finland Test next Week: Big Test for Second Track Students (Covering Workshop -01 to 09) Note: Submit Action Point Register Self-studies (These topic is not part of evaluation any more): Topic-10: Website Development Topic-11: Web media and interactivity	206A	
13.12.2013	12.30-16.00		Session for A9063	Regular Student (Track one): Session for A9063 Study Unit with Antonius Second Track Students: Big Test for Second Track Students (Covering Workshop -01 to 09)		
20.12.2013	12.30-16.00		Final Session	Big Test - Final chance for second track students (Topic 01 to 09)		