

Content

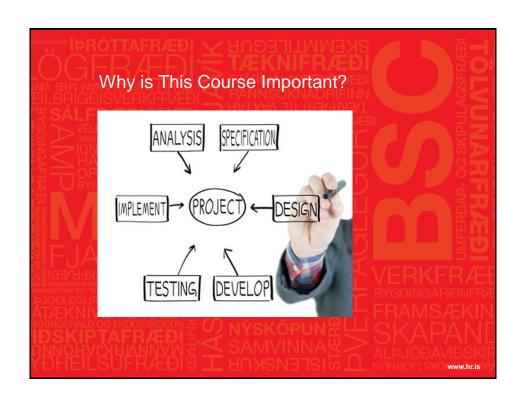
- Goal of the course
- Why is this course important
- Practical information
- Schedule and learning material



Goals of the Course

- This course studies methods for specifying, organizing and working with software requirements and software design.
- The needs of the user and the structure of systems are modelled and co-operation with the user is practiced.
- The students learn different design methods for designing systems and the user interface
- The students learn testing practices
- The main focus is on practicing different methods for requirements specification, analysis, design and testing in the early phases of software development





1. Companies Focus on Users e.g. Google

 The focus is more and more on user experience in software development, for example Google

https://www.google.com/about/our-company/

Our mission is to organize the world's information and make it universally accessible and useful.



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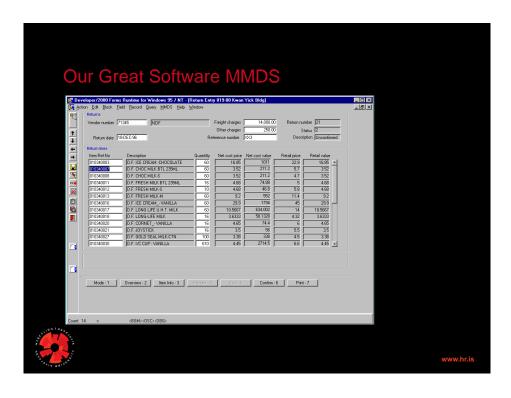
2. Understanding Requirements can Save Money









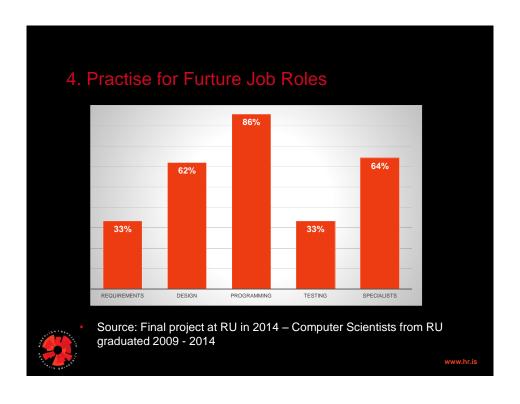












5. This course is a Prerequisite for Other courses

Mandatory courses

- Semester Project 1 (T-113-VLN1)
 - Verklegt námskeið 1
- Software Engineering (T-303-HUGB)
 - Hugbúnaðarfræði
- Final Project (T-404-LOKA)
 - Lokaverkefni

Elective courses

- User Centred Software Development
- Human Computer Interaction



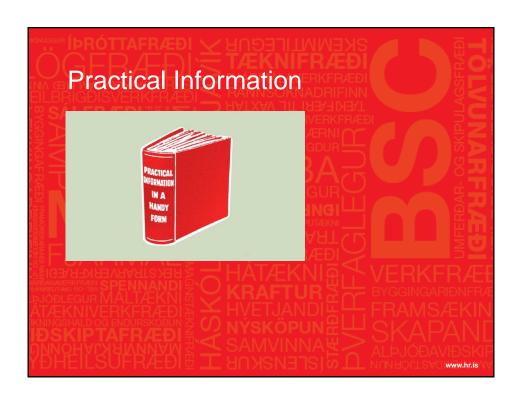
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Summary of Reasons

- 1. Companies are focusing of users
- 2. Understanding requirements can save money
- 3. The world is changing More variation
- 4. Practice for future job roles
- 5. Prerequisite for other courses







- Hand-in assignments Total 40%
 - 4 assignments at 10% each
 - Quality of the result will be emphasized
- Lab assignments Total 10%
 - 2 % each
 - Possible grades: 10, 8, 6, 4, 0
 - The five best provide the grade (you will get 7 projects in total)
- Final exam Total 50%
 Will be both in Icelandic and English
 - To pass the course you must pass the final exam (with 4,75 or higher)
 - No helping material allowed in the final exam



NOTE

- In group assignments I want you to participate in ALL the activities
 - The written exam is partly based on the projects in the course
 - The companies you will work for want you to be skilled in doing all the activities
- All assignments will be graded according to the quality of the results
 - Not just if something has been done or not
 - This is also very important for future job roles





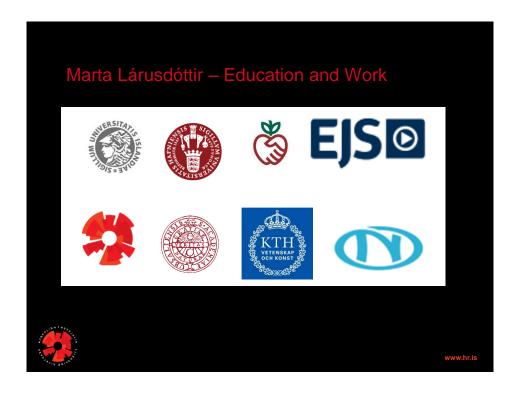
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Lectures

- 3 lectures per week
 - Two lectures at the university
 - Group 1 and 3: Mondays at 8:30 10:05 in M101
 - Group 2 and 4: Mondays at 10:20 11:55 in M101
 - One lecture recorded, put on line on Fridays
- All lectures will be recorded and be visible in Echo360 in Canvas
- Students that attend lectures do better in the final exams
 - Has been found in research studies







Practical Classes – Start this Week

- Practical open classes with assistance
 - Weekly practical projects and hand-in group projects
- Wednesdays
 - 8:30 10:10 in M201
 - 11:50 13:30 in V201
 - 13:30 15:10 in V201
 - 15:10 16:50 in V201
- Mondays
 - at 16:50 18:30 for HMV (háskólanám með vinnu) in M108



There will be two students assisting all the time

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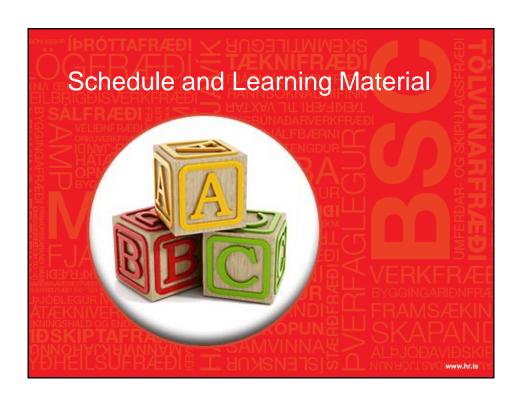
Teaching Assistance

- There will be 7 TAs assisting in the course
 - Berglind Kara Guðmundsdóttir
 - Grading projects and TA in problem solving classes
 - Birna Vala Björnsdóttir
 - Grading projects
 - Bryndís Charlotte Sturludóttir
 - Grading projects and TA in problem solving classes
 - Elmar Þór Aðalsteinsson
 - Grading projects
 - Hildur Björg Gunnarsdóttir
 - Grading projects and TA in a problem solving class
 - Hrefna Namfa Finnsdóttir
 - Grading projects and TA in problem solving classes



Ólafur Pálmi Gunnarsson

• In Akureyri assisting the students there

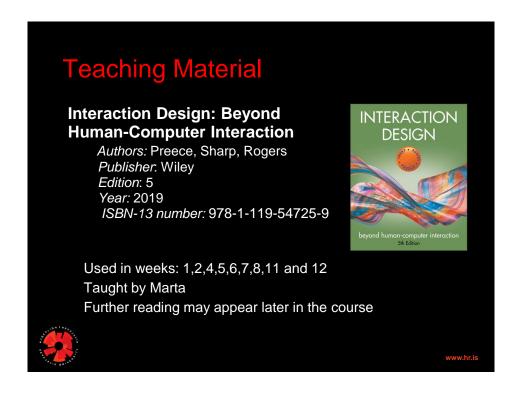


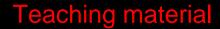
odulo	First Three Weeks – Mart	o and	الأبياة
edule –	riist Tillee Weeks – Mait	a allu s	okuli
Dags.	Þema fyrirlestrar	Fyrirlesari	
Vika 0	-		
14.ágú.19	Engir dæmatímar í þessari viku		
Vika 1			
19.ágú.19	Kynning á námskeiðinu	Marta	
19.ágú.19	Greining notendahópa	Marta	
23.ágú.19	Hönnun notendaviðmóta (fyrirlestur eingöngu tekinn upp)	Marta	
19. og 21. ágúst	Dæmatímaverkefni 1 - Greining notendahópa		
Vika 2			
26.ágú.19	Virknikröfur og almennar kröfur	Marta	
26.ágú.19	Viðtöl	Marta	
30.ágú.19	Upplýsingaöflunaraðferðir (fyrirlestur eingöngu tekinn upp)	Marta	
26. og 28. ágúst	Dæmatímar - Verkefni 2 - kröfur		
Vika 3			
2.sep.19	Notkunartilvik	Skúli	
2.sep.19	Meira um notkunartilvik	Skúli	
6.sep.19	Hlutbundin forritun (eingöngu tekinn upp)	Skúli	
2. og 4. sept	Dæmatímar - Vinna að skilaverkefni 1	Marta	
7.9.2019	Skila inn skilaverkefni 1 (23:59)	Marta	
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Schedule	Week 6,7 and 8 - Marta		
Vika 6			
*******	Millihönnun viðmóta	Marta	
	Millihönnun viðmóta (frh.)	Marta	
	Ýmsar tegundir viðmóta (fyrirlestur eingöngu tekinn upp)	Marta	
	Dæmatímar - Dæmatímaverkefni 4 - Millihönnun viðmóta	Marta	
Vika 7			
30.sep.19	Nytsemi og mælanlegir þættir	Marta	
30.sep.19	Mælanleg nytsemismarkmið	Marta	
4.okt.19	Meira um nytsemi (fyrirlestur eingöngu tekinn upp)	Marta	
30. sept og 2. okt	Dæmatímar - Dæmatímaverkefni 5 - nytsemismarkmið	Marta	
Vika 8			
	Notendaupplifun og markmið	Marta	
	Markmið og prófanir	Marta	
	Meira um notendaupplifun (fyrirlestur eingöngu tekinn upp)	Marta	
	Dæmatímar - Vinna að skilaverkefni 3		
	Skila skilaverkefni 3 (23:59)	Marta	
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cneaule	e – Week 9 to 12 – Skúli a	ına ivia	irta
Vika 9	-		
14.okt.19		Skúli	
14.okt.19		Skúli	
	Nafnorðagreining (eingöngu tekinn upp)	Skúli	
14. og 16. okt	Dæmatímar - Dæmatímaverkefni 5 - Klasarit/stöðurit	Skúli	
Vika 10			
21.okt.19		Skúli	
21.okt.19		Skúli	
	Farið yfir dæmi (eingöngu tekinn upp)	Skúli	
	Dæmatímar - Vinna við skilaverkefni 4	2000000	
26.okt.19	Skila skilaverkefni 4 (23:59)	Skúli	
		i	
Vika 11			
28.okt.19	Hugbúnaðarprófanir - kynning	Marta	
	an early a selection where the control of the contr	Mohammad	
	Testing Activities - Guestlecture in English	Hamdaga	
	-0	Marta	
28. og 30. okt	Dæmatímar - Dæmatímaverkefni 7	Marta	
Vika 12		1	
	Upprifun námskeiðsins - HCI	Marta	
4.nóv.19	Upprifun - UML	Skúli	
	Engir dæmatímar í þessari viku		





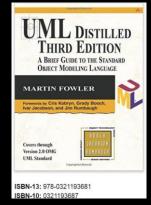
Book: UML Distilled Third Edition

Author: Martin Fowler Publisher: Addison-Wesley

Edition: 3 Year: 2004

ISBN-13 number: 978-032119-368-1

Used in weeks: 3, 9, 10 Taught by Skúli





Piazza

- Have made a page on Piazza for the course
 - https://reykjavik.instructure.com/courses/2700/external_tools/ 442
- There are the following guidelines
 - We are polite to each other
 - I will not answer immediately
 - But generally quicker response between 9:00 17:00
 - You can not count on that I will answer during weekends
 - Even though there deadlines during that weekend
 - Try to help each other
 - I will enchorage teaching assistants to answer also





