

## CIT 307- Web design and web based programming Teaching Plan

Course Name		Web design and web based p	programming						
Course Code		CIT 307							
Course Type		Compulsory course							
Course Level		Undergraduate							
AKTS Credit		6 ECTS							
Course hours per week (Instit	tutional)	3							
Practice hours per week		-							
Laboratory hours per week		2							
Academic Semester		2013-2014 Fall							
Course coordinator(s)		Dr. Hüseyin Lort							
Instruction system									
Medium language		English							
Prerequisite		CIT 102 – Information Techno	ology in Education II						
Suggestions related to course	•	N/A							
Training required		N/A							
Aim of the course		technologies that are us systems.  2. Teach the principles of we particular reference to HT  3. Give experience of design level web pages/sites usin  4. Explain the need for development environment development environment for the ideas behind of web pages (HTML, XHTI)  7. Using Cascading StyleShe web design.	eb design and programming, with ML and CSS. gning and developing enterpriseg various technologies. various web technologies and ts. Web and Internet technologies. It the standard mark-up languages ML). ets (CSS) efficiently for advanced						
Learning outcomes		At the end of this course students.  1. Understand the basic ted and systems.  2. Understand and apply web.  3. Design and implement web.  4. Solve problems using web.  5. Create and design basic using stylesheets (CSS) and m.  6. Learn how to create externate enhance the appearance.  7. Understand how to use HTML forms on web applicate.	chnologies underlying web pages b-based concepts. b-based systems. b-based systems. to advanced looking web pages hark-up languages (HTML). ernal and embedded style sheets e of web pages. e fundamental functionalities of						
Course Content									
	Week	Topics							
	VVEEK	Theory	Practice						

Course content per week	1	-	Introduction technologies Internet? Clie programming	, What is ent/Server side	Introduction to HTML and XHTML. Examples of Client and server side technologies					
	2	!	Browsers, Batechnologies web, HTML/and attribute	underlying XHTML tags	XHTML: Font, Paragraph, Bold, Italic, Underline					
	3	}	Good web de	esign principles ndards	XHTML : Anchor Tag, Internal linking, external linking, mail link					
	4		Bad web des examples	ign, bad design	XHTML : html lists, ordered, unordered and definition list					
	5	j	Introduction	etween HTML	XHTML : html tables, sub tags and attributes					
	6	<u> </u>	QUIZ (on Cor	nputer)	Quiz Solution and review					
	7	,	Midterm exa	•	,					
	8	3	Web templat changes in w (XHTML tem	eb design	XHTML : frames  Web Project, example of past					
	g	)	Standard tag and future st web (Flash V	andards in	web projects  XHTML : meta, div, span, embed and object					
	10	0	Advanced we Introduction JavaScript	eb design :	CSS: Introduction to CSS, Selector and properties					
	1	1	Advanced we XHTML Form JavaScript va	s and	CSS: Advanced CSS, CSS classes, multiple CSS classes and pseudo classes					
	1	2	Web design	project presenta	tion					
	1	3	Quiz		Quiz solution					
			Review		-					
	1		Et al a su							
Course book and	-	15 Final exam								
references :	Inter	urse book: ernet & World Wide Web: How to Program, Deitel & Deitel, Prentice ll, 4th Edition (September 2007).								
	Refe	rence	s:							
	Beginning Web Programming with HTML, XHTML and CSS (Wrox Begindes), (August 2005).									
Evaluation										
Quiz:			30%							
Midterm exam:			30% 40%							
Final exam:										
Semester Activities		Nun		Contribution percentage to course mark %						
Midterm Exam			1	30						
Final Exam		1	40							
Quiz			2	30						

TOTAL		1	100							
Calculating workload (Teaching, learning and evaluation)										
THIS SECTION IS DONE SEPERATELY, PLEASE SEE THE ATTACHMENT										

## **Programme and learning outcomes**

Learning Outcomes (LO)	Programme Outcomes (PO)																
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PO 16	PO 17
LO1	3																
LO2				3	3	3				3							
LO3				3	3	3				3							
LO4				4	4	4				5							
LO5	4			4	4	4				5							
LO6	4			4	4	4				5							
LO7	3			5	5	5				5							
LO8	3			3	3	3				3		5	2				

<sup>\*</sup>Contribution Level:

1 very low 2 low 3 medium 4 high 5 very high

## **CITT Department Programme Outcomes**

- **1.** Having adequate level of knowledge and skills in current/new computing and educational technologies.
- 2. Having sufficient communication and teaching skills in teaching profession.
- 3. Being able to teach updated computing technologies efficiently in English.
- **4.** Being able to identify information technology problems through using various analysis and synthesis.
- **5.** Being pragmatic to develop and apply persistent information technology solutions to educational and business problems.
- **6.** Being able to use critical and computational thinking skills to produce alternative solutions at every level of project development life-cycle.
- 7. Being capable to work in disciplinary and interdisciplinary teamwork.
- **8.** Being sensitive, reactive and responsive to professional, social and ethical issues. Having social and ethical awareness in teaching and in providing solutions to problems.
- **9.** Having adequate level of knowledge and skills in current/new computer hardware, operating systems and computer networks.

- **10.** Adequate level of knowledge and skills in current/new programming languages, programming paradigms (procedural and object-oriented) and programming environments (visual, console-based programming).
- **11.** Being able to analyse, plan and manage educational software design and project development.
- **12.** Having the capability of evaluating and criticising educational software design and development.
- **13.** Adequate level of knowledge in using and integrating current/new e-learning and distance education systems such as learning management systems (LMS).
- **14.** Having sufficient skills and knowledge in using instructional technology and material design.
- **15.** Having skills to apply and use special teaching approaches, theories, teaching strategies, methods and techniques (such as to those people with disabilities).
- **16.** Using appropriate measurement and evaluation techniques to assess students' learning and development in addition to supporting them with good level of feedback.