COURSE INFORMATON					
Course Title	*Code*	*Semester*	*L+P+L Hour*	*Credits*	*ECTS*
Web Programming	CIS505		3+0+0	3	10

Prerequisites	-

Language of Instruction	English
Course Level	Master's Degree
Course Type	Elective
Course Coordinator	Assist. Prof.Manu Dube
Instructors	Assist. Prof.Manu Dube
Assistants	
Goals	To teach the students how to design dynamic webpages using databases.
Content	Designing dynamic webpages, using databases in web design, web site management

Learning Outcomes	Program Learning Outcomes	Teaching Methods	Assessment Methods
Dynamic Web Pages - PHP	1-2-3-4	1-2-12	A,C
Databases – MySQL	7-10	1-2-12	A,C

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 9: Simulation, 12: Case Study
Assessment Methods:	A: Testing, C: Homework

COURSE CONTENT	
Week Topics	**Study Materials**
1 Introduction to PHP	
2 Data types, variables, arrays	
3 Adding control and logic to webpages	
4 Adding control and logic to webpages	
5 Strings, numbers and date	
6 Designing PHP pages with examples	First 5 weeks
7 Midterm	
8 PHP form design	
9 PHP forms and form validation, regex	
10 Introduction to SQL	
11 Designing dynamic webpages with MySQL and PHP	
12 Designing dynamic webpages with MySQL and PHP	

13 Designing dynamic webpages - Examples	First 12 weeks
14 Designing dynamic webpages - Examples	First 12 weeks

RECOMMENDED SOURCES

Textbook	Ullman, Larry. Visual Quick Pro Guide, PHP 6 and MySQL 5
Additional Resources	

MATERIAL SHARING

Documents	www.silentblade.com
Assignments	From the website
Exams	

ASSESSMENT

IN-TERM STUDIES	NUMBER	PERCENTAGE
Mid-terms	1	30
Quizzes	5	30
Project	1	40
Total		**100**
CONTRIBUTION OF FINAL EXAMINATION TO OVERALL GRADE		50
CONTRIBUTION OF IN-TERM STUDIES TO OVERALL GRADE		50
Total		**100**

COURSE CATEGORY	Expertise/Field Courses

COURSE'S CONTRIBUTION TO PROGRAM

No	Program Learning Outcomes	Contribution 1 2 3 4 5
1	Information Systems graduates have the knowledge and the skills to design and develop the complete systems for multi-media visual user interface.	X
2	Information Systems graduates have advanced the knowledge and skills to design, develop and install the application systems for multi-media.	X
3	Information Systems graduates have the knowledge and the skills to design, develop and apply algorithms and data structures to solve the basic problems of information processing, within the framework of discrete mathematics.	X
4	Information Systems graduates have the knowledge and the skills to design and develop computer applications, based on user specified requirements, using modern structured development tools and install them on various hardware platforms and deploy their usage.	X

5	Information Systems graduates have the knowledge and the skills to design and develop computer applications, based on user specified requirements, using modern object-oriented development tools and install them on various hardware platforms and deploy their usage.	x
6	Information Systems graduates know the logic of computer operating systems, the basic set of system commands, how to control access to system resources by users of different departments and how to monitor the running of jobs in the system.	x
7	Information Systems graduates have the knowledge and the skills to design and develop data models serving different requirements, database applications that would access and process data using various types of software, including queries, reports and business applications.	x
8	Information Systems graduates have the knowledge and the skills to design and develop business applications that would provide data access, modification and processing for data kept in enterprise database systems.	x
9	Information Systems graduates have the knowledge about computer networks, and have the skills to design, develop and monitor computer networks, how to configure them and how to maintain their performance.	x
10	Information Systems graduates have the knowledge and the skills to design and develop visual user interfaces for the web, web-based applications for n-tier client/server configurations, how to deploy them in enterprises.	x

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Course Duration (Including the exam week: 16x Total course hours)	14	3	42
Hours for off-the-classroom study (Pre-study, practice)	14	5	70
Mid-terms	2	3	6
Quiz	6	8	48
Project	2	40	80
Final examination	1	3	3
Total Work Load			249
Total Work Load / 25 (h)			9.96
ECTS Credit of the Course			10