IE 462: Industrial Information Systems 2(2, 1, 1)

Catalag Data	An	alveie docion	and imple	amontation of	industrial information ex	vetome with	enocial focus		
Catalog Data		•	-		industrial information syns; Database modeling a		-		
				nd design; e-t		na aesign, s	ructured and		
Prerequisite	_	314	anarysis a	na aesign, e e	Austriess.				
Co requisite	No								
Level	10								
20,02		omas Bouche	er & Ali Ya	ılcin "Design	of Industrial Information	Systems"	Academic		
Textbook		sss – Elsevie		,8					
Reference			,	e & Joseph V	alacich, "Modern System	ns Analysis a	nd Design",		
		-	Education International, Upper saddle river, fourth edition, 2011.						
				, 11					
Learning	То	get the stude	ent acquain	ted with info	rmation system (IS) deve	elopment cor	cepts, life		
Objectives					ced on Industrial IS (IIS)				
	able to develop and communicate industrial information systems models. Topic Week Hours								
		Topic					Hours		
	1.	1					4		
	2.	Database m		3	16				
Topics (classes)	3.	Ž					12		
	4.					1	4		
	5.			sis and design	, ,	4	16		
T 1 4 70 1	6.			nabled databa			4		
Laboratory Topics	Database implementation Microsoft Access 2007 (Tables and Queries creation, SQL queries, Forms, Reports)								
				ina usina Mi	crosoft Visio 2007				
Project work					udy: Database & UML m	odels			
Computer Usage			<u> </u>	icrosoft Visio	•	oucis			
Learning	1.				ponents, and developmen	nt life cycles	of the		
outcomes	1.						or the		
	information systems in industrial and service organizations.[f,i,j] 2. Acquire the ability to model, design and implement relational database. [c,f,i,j]								
	3. Acquire the ability to model the functions, logical architecture and data flows of IS.								
	[c,f,j]								
	4. Acquire the ability to model and design the User interface. [c,f,j]								
	 5. Acquire the ability to model and design Object-oriented IS. [c,f,i,j] 6. Get acquainted with development and role of e-business and web-enabled database as 								
	IS for the supply chain. [f,i,j]								
Total contact hours		Lecture:	Tutorial:	Laboratory:	Practical/Field	Other: desig	n studio.		
per semester		28	18	10	work/Internship:	8	, ii stadio.		
Additional private				case studies a	nd report-	•	,		
study/learning	3 ho	ours per week	self-learnin	g of course ma	iterial and exercises solving	J.			
hours expected for students per week.									
Estimated Estimated		En	gineering S	Science: 2(2.	1, 1) credit hours				
Category Content				Design: 3 cre					
Prepared by			. Eng. Shac						
Preparation Date			ptember 20	•					
	1		_						

Student assessment schedule						
No.	Assessment item	Week due	Proportion			
1	Class Attendance, reports & quizzes	Each lecture	10%			
2	Lab. Work & attendance	Each lab.	10%			
3	1st Mid-Term Exam	6 th Week	10%			
4	2 nd Mid-Term Exam	12 th Week	10%			
5	Term Project	13 th Week	20%			
6	Final Exam	As scheduled by the registrar	40%			