

Course Name	ENTERPRISE APPLICATION DEVELOPMENT		Course Code	COMP 417		
Credit Hours	3		Contact Hours	Lec	Lab	Total
				2	2	4
Offered as	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement <input checked="" type="checkbox"/> Core <input type="checkbox"/> Elective <input type="checkbox"/> ITEC <input checked="" type="checkbox"/> COMP <input type="checkbox"/> CNET					
Level	7		Prerequisite	NONE		
Course Description: This course aims to introduce the development of stand-alone and dynamic web applications with respect to solve real world problems using one to many tier architectures. In order to construct the stand alone and web applications, it mainly focuses on techniques to design and implement front-end, back-end and business logics using various java-based technologies.						
Upon completion, the student will be able to: <ul style="list-style-type: none"> ◆ Perceive the foundation of good programming skills for designing of object oriented based software. ◆ Understand how java library helps to construct GUI, event handling, database access for developing a stand-alone system. ◆ Use class libraries to design Model-View-Design pattern to develop dynamic web applications. ◆ Build system to communicate front-end to back-end ◆ Implement middle layer to control front-end and back-end ◆ Understand the concepts of client and server side programming scripts as well as the role of web server and application servers. ◆ Construct full-fledged web applications using JDBC, servlet, JSP and Java Bean. 						
Assessment Methods	Exam-1 <input checked="" type="checkbox"/>	10%	Exam-2 <input checked="" type="checkbox"/>	10%	Assignments <input checked="" type="checkbox"/>	10%
	Mini Project <input checked="" type="checkbox"/>	10%	Lab Exam <input checked="" type="checkbox"/>	20%	Final Exam <input checked="" type="checkbox"/>	40%
Text Book: <ul style="list-style-type: none"> ◆ Paul Deitel and Harvey Deitel, "Java How To Program", Tenth Edition, Pearson Publications, ISBN-13 9780133807806, 2015. ◆ Marty Hall and Larry Brown, "Core Servlets and Java Server Pages Volume 1: Core Technologies", Pearson Publications, Second Edition, 2004. ◆ Joel Murach and Andrea Steelman, "Java Servlets and JSP", 2nd edition, Mike Murach & Associates, ISBN-13: 978-1890774448, 2008. 						
References: <ul style="list-style-type: none"> ◆ Head First Servlets & JSP Second Edition by Bryan Basham, Kathy Sierra & Bert Bates, ISBN 1-800-889-8969 / 707-827-7019, 2008. ◆ James M Slake Programming and Problem Solving with java Thomson Learning, The McGraw- Hills, ISBN: 0-534-37486-7, 2000. ◆ C Thomas Wu "An Introduction to Object Oriented Programming with Java" Tata McGraw Hills, ISBN: 0070611033, 2005. 						