



COURSE DESCRIPTION FORM

INSTITUTION Department of Computer Science & IT, University Of Sargodha

PROGRAM (S) TO BE EVALUATED BSCS, 7th Regular & Self

A. Course Description

(Fill out the following table for each course in your computer science curriculum. A filled-out form should not be more than 2-3 pages.)

Course Code	CS-4745
Course Title	Enterprise Application Development
Credit Hours	3 CR
Prerequisites by Course(s) and Topics	CS-3548 (Web Systems and Technologies) OR Concepts of OOP.
Assessment Instruments with Weights (homework, quizzes, midterms, final, programming assignments, lab work, etc.)	<ul style="list-style-type: none"> • Quizzes: 10 % + Homework: 10%, Or Project 20% • Midterm: 30%, Final Term: 50 %
Course Coordinator	Dr. Qaiser Abbas
URL (if any)	www.clsp.org/qabbas
Current Catalog Description	Not Available as per curriculum
Textbook (or Laboratory Manual for Laboratory Courses)	<ul style="list-style-type: none"> • Goncalves, Antonio, and Massimo Nardone. Beginning Java EE 7. New York: Apress, 2013. • Manelli, L., & Zambon, G. (2020). Beginning Jakarta EE web development: using JSP, JSF, MySQL, and apache tomcat for building java web applications. Apress.
Reference Material	<ul style="list-style-type: none"> • Kulkarni, R. (2015). Java EE development with Eclipse. Packt Publishing Ltd. • Klausen, P. (2017). Java 11: Web applications and Java EE: Software development.
Course Goals	In this course, you will learn the essentials of developing web applications with Java EE, MySQL using Eclipse.
Topics Covered in the Course, with Number of Lectures on Each Topic (assume 16-week	<ul style="list-style-type: none"> • Introduction to Course. What is Java? Types of Java Applications, Java Platforms / Editions, Features of Java, C++ vs Java, etc. (week 1)



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instruction and three-hour lecture per week)	<ul style="list-style-type: none"> Using the Eclipse IDE for Java programming, Install the Eclipse Java IDE, Hello World Program with or without Eclipse, Difference between JDK, JRE, and JVM (week2) Yet to appear. 			
Laboratory Projects/Experiments Done in the Course	Not Applicable as per curriculum.			
Programming Assignments Done in the Course	Not Applicable as per curriculum.			
Class Time Spent on (in credit hours)	Theory	Problem Analysis	Solution Design	Social and Ethical Issues
	24 Hrs	12 Hrs	12 hrs	Not Applicable
Oral and Written Communications	Presentations in the form of groups would be arranged in the last week if course would be covered before the 16 th week.			

Instructor Name _____ Dr. Qaiser Abbas

Instructor Signature _____

Date _____