

<b>Course Title</b>	<b>Web Technologies Lab</b>
<b>Course Code</b>	<b>EC-331L</b>
<b>Credit Hours</b>	1
<b>Category</b>	Technical Elective
<b>Prerequisite</b>	Programming Fundamentals
<b>Co-Requisite</b>	None
<b>Follow Up</b>	None
<b>Course Description</b>	Implementation on the compiler of all the concepts/topics discussed in the course which includes, Introduction to Java, Variables, data types, Control Structures, Methods, Classes, Interfaces, Method Overloading and Overriding, Revision of Object-oriented programming courses in Java, GUI development, Event Handling, Database Connectivity, Exception Handling, File handling, HTML, CSS, JavaScript, Server-side Programming in Java, Http Request and Response, Servlets, Servlet Life Cycle, Java Beans, MVC.
<b>Text Book(s)</b>	Paul J. Deitel and Harvey Deitel, Java How to Program, 11 <sup>th</sup> Edition, Pearson, 2017, ISBN-10: 0134743350, ISBN-13: 978-0134743356.
<b>Reference Material</b>	Marty Hall and Larry Brown, Core Servlets and JavaServer Pages, 2 <sup>nd</sup> Edition, Pearson, 2017, ISBN-10: 8131701638, ISBN-13: 978-8131701638. Web Application Architecture: Principles, protocols and practices by Leon Shklar and Richard Rosen, Wiley; 2nd Edition (May 5, 2009). ISBN-10:047051860X Web Technologies: A Computer Science Perspective by Jeffrey C. Jackson, Prentice Hall; 1st Edition (August 27, 2006). ISBN-10:0131856030