



**Jordan University of Science and Technology**  
**Faculty of Computer & Information Technology**  
**Department of Software Engineering**

**SE 432: Software Engineering for Web Applications**  
**Spring 2016**

**Course Catalog**

Detailed study of engineering methods and technologies for building highly interactive web sites for e-commerce and other web-based applications. Presents engineering principles for building web sites that exhibit high reliability, usability, security, availability, scalability, and maintainability. Teaches methods such as client-server programming, component-based software development, middleware, and reusable components.

**Text Book**

**‘Professional Java for Web Applications’ by Nicholas S. Williams**  
**Also other books that cover the course outline**

**Instructors**

<b>Instructor</b>	Dr. Luay Alawneh
<b>Office Location</b>	M2 Level 2
<b>Office Phone</b>	7201000 ext.
<b>Email</b>	<a href="mailto:imalawneh@just.edu.jo">imalawneh@just.edu.jo</a>

**Class Schedule and Room**

Instructor: Dr. Luay Alawneh

<b>Section 1:</b> Time: Sun Tue Thu 9:15 – 10:15 Room: A2120	<b>Section 2:</b> Time: Mon-Wed 11:15 – 12:45 Room: G2121
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**Office Hours**

**Dr. Luay Alawneh: Sunday, Tuesday, Thursday 1:15 - 2:15. Wednesday 1:15 – 2:15**

**Teaching Assistant**

Mrs. Areej Khasawneh

<b>Prerequisites</b>	
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Introduction to web essentials	Week 1+2
Web servers and Java server side programming	Week 3
Java Servlets	Week 4 + 5 + 6
Java Server Pages (JSP)	Week 6 + 7
J2EE Architecture	Week 8
Service oriented architecture (SOA)	Week 9
Introduction to web services	Week 10
Web Services (SOAP + RESTful)	Week 10 + 11 + 12
Technologies and frameworks	Week 13

<b>Evaluation</b>		
<b>Assessment Toole</b>	<b>Expected Due Date</b>	<b>Weight</b>
First Exam	5 <sup>th</sup> week	20%
Second Exam	10 <sup>th</sup> week	20%
Assignments + Projects	TBA	20 %
Final Exam	TBA	40%

<b>Policies</b>	
<b>Project</b>	<ul style="list-style-type: none"> <li>❖ Late work will not be accepted.</li> <li>❖ All work has to be done independently within the team</li> <li>❖ Submit a hard copy of your work with your name, Section#, ID</li> </ul>
<b>Exams</b>	<ul style="list-style-type: none"> <li>❖ The format for the exams is generally (but NOT always) as follows: general definitions, Multiple-choice, design, and short essay questions.</li> <li>❖ Makeup exam should not be given unless there is a valid excuse.</li> </ul>
<b>Attendance</b>	<ul style="list-style-type: none"> <li>❖ If you miss a class, it is your responsibility to find out about any announcements or assignments you may have missed.</li> <li>❖ University policies will be applied regarding attendance.</li> </ul>

Prepared by: Dr. Luay Alawneh

Last updated : Sunday, February 7, 2016