

**FACULTY OF COMPUTER SCIENCE AND INFORMATION SYSTEMS
 UNIVERSITI TEKNOLOGI MALAYSIA
 SEMESTER II 2009/2010**

Subject Name: Internet Programming / Pengkomputeran Internet

URL Website : <http://internet-programming.firdaus-harun.com>

Subject Code : SCJ2303 / SCK3323

Meeting Time: MON10-MON11 (KPU2) , TUE10-TUE11 (KPU2)

Lecturer : Muhammad Firdaus Harun
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Synopsis

This course covers the development of web component with Servlets and JSP technologies. This course will enable students to obtain the knowledge and skills necessary to quickly build web applications based on JSP and Servlets technologies using the Apache Tomcat / GlassFish open source application server. Students are exposed to the current methods for analyzing, designing, developing, and deploying web applications with Java technologies. At the end of this course, student should be able to develop a web-based application using JSP and Servlets technologies.

Learning Outcomes :

Upon the completion of this course, students will have the ability to:

1. Write java Servlets and also JavaServer Pages .
2. Create robust real-world application in small or medium scaled for class project.

Course Policy

- **Attendance is compulsory.** Any student with attendance of less than 80% will be not permitted to sit for the final examination.
- **Compliance with the student's dress code and conduct procedures** as stipulated by the University.
- **Copying/Plagiarism in whatever form is strictly prohibited.** An E grade will be issued if found guilty of such act(s) during the course of the semester or the examination. No marks will be given (zero) if caught copying other's quiz or assignment.
- **Repetition of any quiz, test or examination** is not being considered unless testified sick by UTM's medical doctor or panel of doctors.
- **Assignments must be handed in on the specified submission date.** Marks will be deducted for any late submission. Assignments submitted 7 days after the deadline will not be accepted at all.

Course Assessment

<i>Item</i>	<i>Percentage (%)</i>
Mid Semester Exams	20
Laboratory exercises/Assignments	15
Quizzes	5
Team Project	20
Final Examination	40
Total	100



Reference Books

1. Marty Hall and Larry Brown. *Core Servlets and Javasever Pages Volume 1: Core Technologies*, Prentice Hall, 2004.
2. Andrea Steelman and Joel Murach. *Murach's Java Servlets and JSP*, Mike Murach & Associates, 2003.
3. Gary Bollinger and Bharathi Natarajan. *JSP A Beginner's Guide*, Osborne/McGraw-Hill, 2001.

COURSE OUTLINE

Week & Date	Topic	Note
Week 1 (14.12.09 – 18.12.09)	Introduction to Web Development Introduction to HTML /XHTML	Develop Personal Website
Week 2 (21.12.09- 25.12. 09)	An Overview of Servlet and JSP Technology Servlets basics	Lab Exercise
Week 3 (28.12.09- 1.1.10)	Servlets – Handling the Client Request (Form data)	Lab Exercise Group Project: Proposal Assignment 1
Week 4 (4.1.10-8.1.10)	Servlets – Handling the Client Request (HTTP Request Headers)	Lab Exercise
Week 5 (11.1.10- 15.1.10)	Servlets – Generating the Server Response (HTTP Status Codes & Response Headers)	Lab Exercise
Week 6 (18.1.10- 22.1.10)	Servlets – Handling Cookies Servlets – Session Tracking	Lab Exercise Assignment 2
Week 7 (25.1.10- 29.1.10)	Integrating Web Applications with Databases	Lab Exercise Test 1
Week 8 (1.2.10-5.2.10)	Integrating Web Applications with Databases (continue)	Lab Exercise
Week 9	SEMESTER BREAK	
Week 10 (15.2.10- 19.2.10)	Java Server Pages (JSP) Basics	Lab Exercise
Week 11 (22.2.10- 26.2.10)	JSP – Controlling the Structure of Generated Servlets: The JSP page Directive	Lab Exercise, Assignment 3
Week 12 (1.3.10-5.3.10)	Using JavaBeans Components in JSP Documents	Lab Exercise
Week 13 (8.3.10-13.3.10)	Integrating Servlets and JSP: The Model View Controller (MVC) Architecture	Lab Exercise
Week 14 (15.3.10- 19.3.10)	Integrating Servlets and JSP: The Model View Controller (MVC) Architecture (continue)	Lab Exercise
Week 15 (22.3.10- 26.3.10)	Simplifying Access to Java Code: The JSP 2.0 Expression Language	Lab Exercise Group Project – Presentation /Demo
Week 16 (29.3.10-4.4.10)	REVISION WEEK	
Week 17 (5.4.10-25.4.10)	EXAMINATION WEEKS	Final Exam

- THIS SCHEDULE IS SUBJECT TO CHANGES