



Overview Presentation
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ADVANCED INTERNET DEVELOPMENT



Introduction

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Advanced Internet Development

- 1 night per week
- 2 hours per night
- Lecture and Lab based
- Assessment
 - Continuous Assessment 70%
 - Examination (2 hours $\frac{3}{4}$ Questions) 30%

Learning Outcomes

1. Administer a web server beyond the basic requirements e.g. advanced HTTP request handling.
2. Develop a web application with JavaServlets.
3. Create web services using SOAP, WSDL, UDDI and others and discuss the role of these technologies in the current and future web.
4. Demonstrate a sound understanding of the role of security on the modern web.



Learning Outcomes

5. Evaluate web sites according to accessibility standards, and justify the existence of such standards in the modern web.
6. Describe, analyse and evaluate emerging standards and technologies for the web, including Semantic Web technologies.
7. Present an informed view of the current state of the World-Wide-Web and its future evolution.



Topics

- Extensible Markup Language
 - XML, XSL, DTD, XML-Schema (XSD)
 - XHTML
- Security and SSL
 - Cross Site Scripting
 - Secure Sockets Layer / Transport Layer Security
- Accessibility
 - Web Content Accessibility Guidelines
 - Universal Design



Topics

- Java Enterprise Edition
 - Java Servlets / Java Server Pages
 - Java Server Faces
- Rich Internet Applications
 - AJAX
 - Adobe Flex
- Web Services
 - SOAP
 - REST

Do This Module if...

1. You don't mind spending time coding and developing applications
2. You want to learn a suite of very marketable skills
3. You want to know what the next generation web will look like
4. You would like to become a software developer
5. You want to develop an enterprise grade application!
6. You didn't hate the *Distributed Systems* module!



Have a look at...

- <http://www.comp.dit.ie/coleary/teaching/dt2494aid/>
 - This presentation
 - Past examination papers
 - Other stuff as it becomes available



Questions

