

# COURSE DETAIL

## INTERNET SOFTWARE PLATFORMS

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Electrical Engineering Computer Science

**UCEAP Course Number**

146

**UCEAP Course Suffix****UCEAP Official Title**

INTERNET SOFTWARE PLATFORMS

**UCEAP Transcript Title**

INTERNET SFTWR PLTF

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course examines the design, the architecture and the development of web applications using technologies currently popular in the marketplace including Java and . NET environments. There are three key themes examined in the unit: Presentation layer, Persistence layer, and Interoperability. The course will examine practical technologies such as JSP and Servlets, the model-view-controller (MVC) architecture, database programming with ADO. NET and JDBC, advanced persistence using ORM, XML for interoperability, and XML-based SOAP services and Ajax, in support of the theoretical themes identified.

### Language(s) of Instruction

English

### Host Institution Course Number

ELEC3609

### Host Institution Course Title

INTERNET SOFTWARE PLATFORMS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Electrical and Information Engineering

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