CS3512 Advanced XML Technologies

Credit Weighting: 5

Teaching Period(s): Teaching Period 1.

No. of Students: Max 120.

Pre-requisite(s): CS2509, CS2510

Co-requisite(s): None

Teaching Methods: 24 x 1hr(s) Lectures; 10hr(s) Practicals.

Module Co-ordinator: Prof James Bowen, Department of Computer Science.

Lecturer(s): Prof James Bowen, Department of Computer Science.

Module Objective: Students will learn how to use advanced XML-related software technologies


Learning Outcomes: On successful completion of this module, students should be able to:
  · Use XSLT, on both clients and servers, to transform XML documents into arbitrary alternative formats.
  · Use the Document Object Model to inspect and modify XML documents.
  · Write programs which can extract data from valid XML documents and store the extracted data in relational databases.
  · Develop HTTP clients in PHP.
  · Use the AJAX suite of technologies to build highly responsive web documents.

Assessment: Total Marks 100: End of Year Written Examination 80 marks; Continuous Assessment 20 marks (5 Laboratory Assignments, 4 marks each).

Compulsory Elements: End of Year Written Examination; Continuous Assessment.

Penalties (for late submission of Course/Project Work etc.): Work which is submitted late shall be assigned a mark of zero (or a Fail Judgement in the case of Pass/Fail modules).

Pass Standard and any Special Requirements for Passing Module: 40%.

End of Year Written Examination Profile: 1 x 1½ hr(s) paper(s) to be taken in January.

Requirements for Supplemental Examination: 1 x 1½ hr(s) paper(s) to be taken in Autumn. The mark for Continuous Assessment is carried forward.