

Collin College Syllabus Business, Information and Engineering Technologies

COURSE SYLLABUS

Course Number: ITSE 1356

Course Title: Extensible Markup Language (XML)

Course Description: Introduction of skills and practices related to Extensible Markup Language (XML). Includes Document Type Definition (DTD), well-formed and valid XML documents, XML schemes, and Extensible Style Language (XSL).

Credit Hours: 3 Lecture Hours: 2 Lab Hours: 2

Prerequisite: ITSE 1311 or consent of Instructor or Department Chair

College Repeat Policy: A student may repeat this course only once after receiving a grade, including "W"

Student Learning Outcomes:

After successful completion of this course, the student should be able to do all of the following:

- 1.0 List the primary design goals that prompted the world wide web consortium to develop extensible markup language (xml).
- 2.0 Identify available integrated development environment (ide) applications to generate xml files used in a web development project.
- 3.0 Recognize and understand the development from documents to markup and meta-languages.
- 4.0 Demonstrate an understanding of the xml document object model (dom).
- 5.0 Recognize and understand the anatomy of an xml document.
- 6.0 Identify document type definitions (dtd) and how to create and use document type definitions.
- 7.0 Recognize and understand the use of cascading style sheets (css) with xml documents.
- 8.0 Recognize and understand how to work with namespaces.
- 9.0 Describe various methods of binding xml data.
- 10.0 Recognize and understand the manipulation of data using xml technology.
- 11.0 Recognize and understand the relationship between xml and an xml schema.

12.0 Define the purpose of extensible markup language with its relationship to content management.

13.0 Discuss the change from static web development to dynamic web development.

14.0 Discuss advanced application of xml using other technologies.

Attendance Policy: See Faculty syllabus for specific attendance requirements
See the current Collin Registration Guide for the last day to withdraw.

Religious Holy Days: please refer to the current Collin Student Handbook

ADA Statement: It is the policy of Collin County Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

Academic Ethics: The College District may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one (1) or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

Plagiarism is the use of an author's words or ideas as if they were one's own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, copying computer or Internet files, using someone else's work for assignments as if it were one's own, or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination or any other course assignment; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.