

AUSTIN COMMUNITY COLLEGE
CONTINUING EDUCATION
Flash 3: Data Connectivity
(9 hours)
ITNX 3004
COURSE SYLLABUS

Course Description: Flash is a great tool for creating the front-end of an application, but the web is driven by back-end data. This class explores several ways of connecting the front end (your Flash application) with dynamic data on your server, including XML, PHP, and MySQL. We'll also pass data back and forth between different Flash files. This class is for the designer/developer who has little or no programming experience outside of ActionScript. Prerequisites: Flash 2: Object-Oriented Programming (OOP).

Objectives: At the completion of the course each student should be able to:

- send data into a Flash application with FlashVars, and Loader objects
- pull data into a Flash application via the XML object
- store data on the end user's computer via a SharedObject
- structure data within a Flash application using an Array object
- enable the browser BACK button to navigate within a Flash movie

Rationale: Flash is the leading web technology for creating Rich Internet Applications. This class covers all the major ways data is transferred to and from, and stored within a Flash application.

Type of Course: Short Course

Evaluation: Students will be evaluated on their competency in performing a variety of hands-on exercises created to ensure the student has achieved all course objectives throughout the course, and class participation. In order to grant CEU credit for a course the students must be able to create functional Flash applications covered in class. The instructor will validate each participant's achievement of the course objectives by signing and awarding individual certificates of completion.

Course Outline:

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| I. Getting data into Flash | (3 hours) |
| A. FlashVars | |
| B. URLLoader | |
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| II. Managing data in Flash | (3 hours) |
| A. Arrays | |
| B. XML | |

III. Sending data out of Flash

(3 hours)

A. URLLoader

B. Shared Object

Student Assessment Checklist:

At the completion of the course each student should be able to:

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- pull data into a Flash application via the XML object
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- structure data within a Flash application using an Array object
- enable the browser BACK button to navigate within a Flash movie