

**AUSTIN COMMUNITY COLLEGE**  
**CONTINUING EDUCATION**  
**Data Connectivity with Flash**  
**(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. Prerequisite: Introduction to WWW Authoring and XHTML, and Flash (Advanced).

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

- send data into a Flash application via FlashVars
- pull data into a Flash application via the loadVariables action
- pull data into a Flash application and send data out to a server-side script via a LoadVars object
- 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

**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:**

- I. Getting data into Flash (3 hours)
  - A. FlashVars
  - B. Load Variables
  - C. LoadVars
  
- II. Managing data in Flash (3 hours)
  - A. Arrays
  - B. XML
  
- III. Sending data out of Flash (3 hours)
  - A. LoadVars
  - B. Shared Object

**Student Assessment Checklist:**

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

- send data into a Flash application via FlashVars
- pull data into a Flash application via the loadVariables action
- pull data into a Flash application and send data out to a server-side script via a LoadVars object
- 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