Tech Arts Training Program
Saturday Course
14 weeks/ 70 class instructional hours
updated 8-28-15 pf

Occupational Areas: (15-1132.00) Software Developers, Applications | (27-1014.00) Multimedia Artists and Animators | (27-2012.01) Producers (25-9031.01) Instructional Designers and Technologists

Certification: Adobe Certified Associate (Interactive Media Using Adobe Flash Professional Exam)
http://www.adobe.com/education/certification-programs/flash-exam-objectives.edu.html

Course Description: This course will provide students an opportunity to earn Adobe Certified Associate certification (in Interactive Media Using Adobe Flash Professional) and create one multimedia application for their portfolios. Students will learn the production skills needed to create interactive, cross-platform multimedia content as well as professional-looking graphics and animations and work with industry standard software including Adobe Flash Professional, Adobe Photoshop and Adobe Audition.

In addition to the above production skills, students will gain experience in pre-production (brainstorming, writing, story boarding) and post production (sound and image editing, optimizing for the web and cross-platform deployment). Students will also comply with schedules and deadlines, learn the disciplines of digital journalism and acquire valuable teamwork and organizational skills.

Course Outcomes: Students successfully completing this this course will earn the *Adobe Certified Associate* (ACA) certification and create one interactive multimedia application for their portfolios. (Students will have complete creative control over this portfolio piece and will be responsible for managing all parts of the project - from storyboarding to post production.)

Requirements: To obtain the *Adobe Certified Associate* certification, students must complete all modules and pass the *Interactive Media Using Adobe Flash Professional* exam. Good attendance and active participation in class as well as the individually scheduled production and troubleshooting sessions are critical to successful completion of this course.

Burgundy = *Adobe Certified Associate* content | Orange = Student portfolio project work				
Day	**Date**	**Topic**	**Resources**	**Hours**	**Comments**
1		Introductions, Class Overview: Developing Interactive Multimedia Applications for Desktop and Mobile Devices Coding vs. Software	What is Code? Creating Apps using Adobe Flash Pro		Presentation
		Setting Project Requirements	Logical Operations (ACA Training Curriculum)		**ACA Exam Domain**
		• Identify the purpose, audience, and audience needs for interactive media content.			ACA Skill
		• Identify interactive media content that is relevant to the purpose of the media in which it will be used (websites, mobile devices, and so on).			ACA Skill
		Introduce Portfolio Projects: Audio Recording and Photography: Technical Requirements and Releases	Pilot project		Presentation
		Interviewing Techniques	Guest Presenter (Ethnographer)		Presentation
		Begin Portfolio Projects (Home assignment): Identify senior subject, record audio, photograph and obtain signed consent form.			Production (Outside Class)
2		• Understand options for producing accessible interactive media content.			ACA Skill
		• Demonstrate knowledge of standard copyright rules (related terms, obtaining permission, and citing copyrighted material).			ACA Skill
		• Understand project management tasks and responsibilities.			ACA Skill
3		• Communicate with others (such as peers and clients) about design and content plans.			ACA Skill
		Audio editing using Adobe Audition	Adobe Audition		Instruction
		Edit audio for portfolio projects			Production
4		**Identifying Interactive Media Design Elements**	Logical Operations		**ACA Exam Domain**

		• Identify best practices for designing interactive media content for desktop and mobile browsers, applications, games, and HD video.			ACA Skill
		• Demonstrate knowledge of design elements and principles.			ACA Skill
5		• Identify general techniques to create interactive media elements that are accessible and readable.			ACA Skill
		Brainstorming Concepts			Presentation
		• Use a storyboard to design interactive media elements.	Online Storyboarding		ACA Skill
		Motion Graphics and Animation: Interactive slide show vs. key frame/series animation			Presentation
		Storyboarding portfolio project motion graphics/ animation	Demo: Marty's Interactive App		Production
6		• Organize an interactive media design document.			ACA Skill
		Understanding the Adobe Flash Professional Interface	Logical Operations Adobe Flash Professional		**ACA Exam Domain**
		• Identify elements of the Flash Professional interface.			ACA Skill
		• Use the Property inspector.			ACA Skill
7		• Use the Timeline.			ACA Skill
		• Adjust document properties.			ACA Skill
		• Use Flash guides and rulers.			ACA Skill
		• Use the Motion Editor.			ACA Skill
		• Understand Flash file types.			ACA Skill
		• Identify best practices for managing the file size of a published Flash or HTML document.			ACA Skill
8		Traditional Image Composition Considerations			Presentation
		Digital Image Editing Concepts			Presentation
		Adobe Photoshop Introduction/Overview	Adobe Photoshop		Presentation
		Adobe Photoshop Exercise	Graphics Editing		Exercise
		Central Image Composition	Helen's Interactive Portrait		Presentation
		Creating Central Image for Portfolio Projects			Production
9		**Building Interactive Media Elements by Using Flash Professional**	Logical Operations		**ACA Exam Domain**
		• Make interactive media content development decisions based on your analysis and interpretation of design specifications.			ACA Skill
		• Use tools on the Tools panel to select, create, and manipulate graphics and text.			ACA Skill
		• Import and modify graphics.			ACA Skill
10		• Create text.			ACA Skill
		• Adjust text properties.			ACA Skill
		• Create objects and convert them to symbols, including graphics, movie clips, and buttons.			ACA Skill
		• Understand symbols and the library.			ACA Skill
		• Edit symbols and instances.			ACA Skill
		• Create masks.			ACA Skill
11		• Create animations (changes in shape, position, size, color, and transparency).			ACA Skill
		• Add simple controls through ActionScript 3.	ActionScript Overview | Animating bitmap graphics with ActionScript3 or Starling		ACA Skill
		Planning Interactivity for Portfolio Projects			Presentation
		Creating Interactivity for Portfolio Projects			Production
		• Import and use sound.			ACA Skill
		• Add and export video.			ACA Skill
12		Responsive Design Principals	Responsive Design Approach		Instruction/ Exercise
		• Publish and export Flash documents.			ACA Skill
		• Make a Flash document accessible.			ACA Skill

		Evaluating Interactive Media Elements by Using Flash Professional	Logical Operations		**ACA Exam Domain**
		• Conduct basic technical tests.			ACA Skill
		• Identify techniques for basic usability tests.	Adobe Optimization Docs		ACA Skill
		Introduction: Targeting Other Platforms (Using Phone Gap, etc.)	PhoneGap	JS Fiddle		Instruction/ Exercise
		Continue previous production work/ cross-testing/ optimizing			Production
13		Troubleshooting Projects			Individual Instruction
		Introduction: Optimization for Multiple Devices	Optimizing for Web and cross-platform deployment		Instruction/ Online learning
		Final Production Day/ ACA Test Prep			Production/ ACA Exam Prep
		Final Critique of portfolio projects			Discussion
		ACA Practice Tests GMetrix ACA Practice Tests			ACA Exam Prep
		Optional Day: Improving ACA competency -per practice test diagnostics			ACA Exam Prep
14		Exam Info: 40 questions, 50 minutes Score electronically reported 2-4 weeks to receive ACA Welcome Kit.			**ACA Exam**
		Wrap Up/ Discussion and Feedback			Discussion
		Written Course Evaluations (by Students)			Evaluation