



Second Semester Adobe Captivate Project Design Brief

This document will be used as a roadmap as you design and develop your Adobe Captivate eLearning module during the second semester of the IDTMS degree program.

Name: (Ammon Smith)

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Project Description

Subject— (3D Printing an Emerging Technology)

Intended Target Audience— *Describe the personas of two typical learners from the intended target audience.*

(See <http://www.usability.gov/how-to-and-tools/methods/personas.html>):

Persona 1: Primary

Wil Fortenberry, Art student attending Southeastern Ok State University for a Bachelors Degree in Art. Wil is a single 26-year-old Caucasian male with no children. Wil often does custom artwork for additional income part time while attending college. Wil enjoys painting and has recently taken an interest in learning new ways can do art involving 3D printing.

Target Audience (College art students male or female interested in the emerging technology of 3D printing)

Persona 2: Secondary

Brigham Smith, Business Owner and Architect. Brigham is a 39-year-old Caucasian male with a Masters Degree in Architecture. Brigham is married, and father of five children. Brigham has been a business owner for 5 years, and an architect for 17 years. Brigham spends a great deal of time at his desk using a high end workstation computer to do drawings and is always looking for new ways to integrate technology in his business to boost productivity and the quantity and quality of his products and services for his clients.

Target Audience (Businesses or professionals interested in the emerging technology of 3D printing)

Purpose of Module— *Define the specific need for the instruction:*

(This module will provide learners with specific instruction on what 3D printers are, what they can be used for, and what is required to use them.)

Outline of the Content

Topics and Learning Objectives— *List three main topics. Under each topic, list at least three subtopics. Under each subtopic, list at least one learning objective using the ABCD Model. (See <http://libraryid.blogspot.com/2011/05/abcd-objectives-model.html>):*

Main Topic 1: (What are 3D Printers?)

Subtopic 1.1: (This is What a 3D Printer is)

Learning Objective: (Students and professionals will be able to identify what a 3D printer is and correctly answer what 3D printers are on a training module quiz.)

Subtopic 1.2: (Benefits of 3D Printers)

Learning Objective: (Students and professionals will identify the benefits of 3D printing and accurately answer questions about those benefits on a training module quiz.)

Subtopic 1.3: (Basics of How 3D Printers Work)

Learning Objective: (Learners will be able to identify the basics of how 3D printing works, and correctly answer questions about the process on a quiz to demonstrate learning.)

Main Topic 2: (Kinds of 3D Printers Available)

Subtopic 2.1: (Sandstone 3D Printers)

Learning Objective: (Learners will be able to identify the basic look and uses of printers that print in sandstone. Learners will be able to demonstrate their knowledge of hardware and software options available by accurately answering questions on a training module quiz.)

Subtopic 2.2: (Printers that Print in Plastic)

Learning Objective: (Students and professionals will be able to identify specific advantages modern software such as Sketchbook Pro bring to the table to produce art more efficiently. Learners will then be able to apply that insight into their own workloads to save themselves time and potentially money when producing digital art and demonstrate their knowledge by accurately answering questions regarding Sketchbook on a training module quiz.)

Subtopic 2.3: (Printers that Print in Metal)

Learning Objective: (Students and professionals will be able to identify new ways they can produce art using Photoshop and accurately answer questions on a training module quiz in regards to the methods taught in the training.)

Main Topic 3: (Hardware & Software Required)

Subtopic 3.1: (Computer Hardware Requirements)

Learning Objective: (Students and professionals will be able to identify how laser scanning can be integrated into their workload when producing modern art that they can apply themselves in future projects with the accuracy they need based on client and or instructor demands.)

Subtopic 3.2: (Software Requirements)

Learning Objective: (Students and professionals will be able to identify printer options available and apply that knowledge when selecting a printer that meets their needs for their own future projects and or clients with the accuracy required for the project or their client.)

Subtopic 3.3: (Software Options)

Learning Objective: (Students and professionals will identify what 3D printing software is available and how it can assist them with their own 3D printing needs with the accuracy required for their projects and or clients. Learners will be able to accurately answer questions in regards to information covered on 3D printers and software available.)

Summary

Intended Outcome — Provide a brief written summary of the new skills or knowledge that the learners should be able to apply upon completing the learning scenario:

- (- Students and business professionals will identify what 3D Printers are.
- Students will know what kinds of 3D printers are available and their individual uses and advantages.
- The audience will learn the advantages of 3D Printers which they will be able to apply to their own work

immediately.

-The audience will learn what tools are necessary to accomplish their goals when utilizing 3D Printers

Gliffy Link - <http://www.gliffy.com/go/publish/image/6545507/L.png>