



COURSE SYLLABUS

Programs in Technology Education

General H.H. Arnold High School

I. COURSE NUMBER AND TITLE: **BCT305, Web Site Development and Management**

II. CREDIT: 1 Semester

III. PREREQUISITE: None

IV. COURSE DESCRIPTION: In the Web Site Development & Management course, students will design, implement, and manage a web site. This is a hands-on laboratory course designed to teach students the concepts, skills and processes involved in web site development and management. Digital imagery and image editing will be introduced as well as graphic design, HTML programming, and ASP programming. Students will evaluate a variety of existing web sites for content, design, and functionality. Students will work collaboratively to design, construct, and maintain an interactive web site based on a single theme or project. Students will also use e-learning services to access additional study reference and exercises. This course is highly recommended for those students aspiring to be graphic designers, web site managers and web page administrators.

V. COURSE OBJECTIVES:

Upon completion of this course, students should be able to

1. Research the evolutionary development of the network and internet.
2. Investigate methods of producing, transmitting, storing, and using data.
3. Demonstrate the use of computer applications relating to web page design and management.
4. Produce and incorporate digital media into a web site.
5. Design an appropriate website using a variety of editing software tools.
6. Setup and manage a web server.

VI. COURSE OUTLINE

1.	Digital Imagery	(5 Hours)	
2.	Digital Image Editing and Graphic Design	(5 Hours)	
3.	The HTML Programming Language	(15 Hours)	
	Getting Started	Frames	Colors
	Tables	Image Maps	Buttons
	Backgrounds	Images	HTML 4.
	Forms		
4.	Beyond HTML	(10 Hours)	
	Webmaster Tips	Java Scripting	ASP
	Reference Pieces	Java Applets	XML
	Style Sheets	DHTML / Layers	
5.	Web Page Editors	(10 Hours)	
6.	Graphic Web Page Editors	(5 Hours)	
7.	Image Animation	(10 Hours)	
8.	Web Page Project	(15 Hours)	
9.	Web Site Administration	(5 Hours)	

VII. CURRENT TEXTS:
On-Line Resources and Locally Produced Tutorials

VIII. PREPARED: November 24, 2002