



PINEWOOD – THE AMERICAN INTERNATIONAL SCHOOL OF THESSALONIKI, GREECE

NAME OF COURSE: IT 10-12

GRADE LEVEL: 10-12

SCHOOL YEAR: 2011-2012

COURSE DESCRIPTION

In this course, students are introduced to the fundamentals of the World Wide Web, web page design using Hypertext Markup Language (HTML) and a simple HTML editor. Building on the basic HTML tagging, students explore advanced and complex scripting and design concepts possible for the World Wide Web. The class focuses on web page planning, basic design, layout and construction. Finally, a class Web page is developed using web authoring software (BlueGriffon). The course is self-paced, allowing students to progress at their own speed.

LEARNING OBJECTIVES

By the end of this course students will be familiar with:

- Networks
- Exploring Linux Features
- Organizing Files and Folders
- Customizing their Computer
- Using the WWW and researching effectively
- HTML code
- Using the web authoring software to create web pages

SCOPE AND SEQUENCE *

QUARTER I

- Introduction to Information Technology
- Linux Operating system, applications and Directory structure
- Networks and how they work
- The Internet and the WWW
- Computer Security and Safety, Ethics and Privacy
 - Evolution of the Internet
 - The WWW
 - Using hyperlinks
 - Web search and WebQuests
 - E-Commerce
 - Other Internet services
 - E-mails, Netiquette, messaging
- Components of a system Unit

- Processor
- Memory
- Expansion slots
- Ports and connectors
- Input and Output devices
- Storage
- Operating systems and Utility programs
- Communications and networks

QUARTER II

- Programming languages and program development
- Web 2.0 program development
- Enterprise computing
 - Information Systems in the Enterprise
 - Virtualization and Cloud Computing
 - E-Commerce
- Computer Careers and Certification

QUARTER III

- Overview Of HTML
 - Origins of HTML
 - Create & Save HTML Document
- Use Of HTML Tags and Inline Images
 - Body Tags
 - Text Formatting Tags
 - Layout Tags
 - Logical Tags
 - Horizontal Rules & Font Tags
 - Insert & Align JPEG Image
 - Insert & Align GIF Image
- Creating Hyperlinks
 - Create External link
 - Create a link within your website
 - Create a link to a JPEG file within your website
- Use Of HTML Tables
 - Create an HTML Table
 - Modify an HTML Table
 - Insert JPEG File into Table
- HTML Tables
 - Create a complex Table
 - Use Tables for Page Layout
 - Adding Whitespace with Table Cells
- Use Of Frames
 - Frame Tag Overview
 - Create Frame
 - Create a Frameset
- Use of Forms
 - Form Tag Overview
 - Create a Form

- Add Buttons and Check Boxes
- Create Free-Form Text Input
- Add Submit and Reset Buttons
- Processing Images for Web Pages
 - Format Image
 - Format GIF and JPEG Image

QUARTER IV

- BlueGriffon
 - Frames and Framesets
 - Bookmarks and external links
 - Email links
 - Images/ image maps

**Note that the order in scope and sequence is subject to change during the school year.*

HOMEWORK POLICY

Students are expected to turn in all homework assignments on time and by e-mail. Assignments handed in later will not be accepted.

ASSESSMENT

The students' progress is evaluated by the teacher on the following:

- Daily class work, including assignments based on the previous day's lecture. All assignments will be collected and graded.
- Weekly, unannounced quizzes, testing the students' understanding of the previous lecture or class work.
- Class participation, attentiveness of the students during the lectures, effectiveness of the student in answering questions or solving problems, and general classroom behavior.
- Two to three tests per quarter, testing the student's overall knowledge and comprehension of a specific unit.

RESOURCES

Hardware: An IT lab equipped with 17 network computers, a laser printer, scanner and Internet connection

Software: Linux(Operating System)

The World Wide Web

LibreOffice Suite

Printed material: Photocopied handouts from the following sources:

- Discovering Computers 2011, Shelly Cashman Series
- LibreOffice documentation
- Various online sources and tutorials

ACADEMIC HONESTY

Academic honesty is fundamental to the integrity and operation of our school. Acts of academic dishonesty, including plagiarism (the act of presenting others' words and ideas as one's own without crediting the source), stealing in quizzes and tests, copying work from other students or allowing their own work to be copied, or using notes during a test, are considered serious offenses. The consequences of academic dishonesty will be a zero grade on the specific test/assignment, and additional disciplinary action. The said student will be ineligible or removed from the National Honor Society.