



A POLYTECHNIC INSTITUTION

School of Business

MDIA 4320

Program: Associate Certificate in Web Technologies

Using Java in Web Publishing

Prerequisites:

Completion of the Associate Certificate or equivalent
May be taken as a stand-alone course with MDIA
1205/1206, 2205, and 3207 or equivalent as
prerequisites.

Course is a prerequisite for:

Completion of the Certificate Program

Hours/Week:	3	Lecture:	3	Lab:	3	Total Hours:	36	Level:	Certificate
						Total Weeks:	12	Credits:	3

Course Description:

This course will concentrate on preparing Java applets using one of Java's GUI frameworks, as well as the basic graphics features provided by the Java language. The students will be asked to prepare small applets with the help of the examples and the resource list in the course notes or from those found through other sources, such as textbooks, tutorials, and on the Web.

Evaluation

		Comments:
Assignment 1	25%	Embedding Applets
Assignment 2	25%	Creating an Applet
Assignment 3	25%	Event handling and GUI components
Assignment 4	25%	Java Graphics
Total	<u>100%</u>	

Course Learning Outcomes:

At the end of this course the student will be able to:

- describe how Java operates in the Java Applet environment, within the context of a web browser,
- discuss the basic rules of the Java language,
- embed Java applets into a Web page,
- construct simple Java applets using some of the graphics features provided by the Java language,
- construct simple Java applets using one of Java's graphical user interface frameworks, and
- incorporate into an applet, some basic event handling using Java's event listener classes.

Text(s) and Equipment:

Required: None

Recommended: None