OUTLINE OF LEARNING PROGRAM
LEARNING PLAN UNIT
COURSE CONTACT

WEB PROGRAMMING
(PAC 114)

COMPUTER SCIENCE STUDY PROGRAMS
MATHEMATICS DEPARTMENT
MATHEMATICS AND NATURAL SCIENCE FACULTY
DIPONEGORO UNIVERSITY

OUTLINES OF LEARNING PROGRAM

Course Subject   : Web Programming
Course Id   : PAC 114
Credits   : 3

A. Course Description

Web Programming is course to give application development base web to with dynamic and also static contents documents, by alliing HTML, CSS, JAVA SCRIPT, to build web page and also the application of web enterprise.
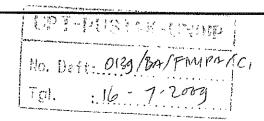
B. General Instructional Objectives

General purpose of this lesson is to form and develop :
1. Knowledge about basic of internet, web programming, and exploiting transfor information
2. Ability to make web with *contents* static or dynamic , useing HTML, CSS, Java Script, DOM, DHTML, and XML
3. Put Foundation skill to develop simple web with *contents* static or dynamic.

C. Learning Plan Units

No.	Specific Instructional Objectives	Topics	Subtopics	Time Estimation
1.	Asked about Web, student could answer correctly about 90%	Fundamental of Web	1. Terminology. 2. Component of web. 3. Mechanism of web 4. Web Programming 5. exploiting of web in reality	2 x 3 x 50 minute
2.	Asked about HTML, student could answer correctly about 90%.	*HyperText Markup Language* (HTML)	1. Basic of markup language. 2. HTML Syntac. 3. useing HTML at static web 4. useing HTML for document layout 5. useing HTML for form format.	3 x 3 x 50 minute
3.	Asked about develop ststic web useng css, student could answer correctly about 90%..	*Cascading Style Sheet* (CSS)	1. CSS : basic 2. CSS : Advance	2 x 3 x 50 minute
4.	Learning process Evaluation	Mid Semester Test (UTS)		2 x 50 minute
5.	Asked about develop ststic web useing Java Scripts, student could answer correctly about 90%.	*Client Side Script* useing Java Script	1. Basic Programming of Java Script. 2. Java Scripts : Function. 3. Java Scripts : Object. 4. Java Script at develop web at *Client Side*	3 x 3 x 50 minute

No.	Specific Instructional Objectives	Topics	Subtopics	Time Estimation
6.	Asked about develop dynamic web with DOM configuration, student could answer correctly about 90%.	Document Object Model (DOM) dan Dynamic HTML	1. Integration of HTML, CSS and Java script in building the application of web which Client Side in manipulation DOM 2. Make dynamic web useing HTML, CSS and Java Script.	2 x 3 x 50 minute
7.	Asked about techology XML, student could answer correctly about 90%	XML	1. Knows about XML in data transformation 2. Knows sample of web useing XML	1 x 3 x 50 minute
8	Asked some problem about web planing and web design . student could answer correctly about 90%	Web Design & Usability	1. Planning issue and usability the Web application 2. Consideration and issue in designing web, like planning link, display and interaction, and information content.	1 x 3 x 50 minute
			Total	2.400 minute