

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

IT 117 Web Application Programming 1

Course Description: A course on fundamentals of web-based application development. Topics include: current front-end and back end technologies used to develop business-related applications, and understanding infrastructure to support application development.

Prerequisites(s): IT 102 and CPDM 120

Corequisite(s): No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 35	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)		<input type="checkbox"/> Transfer Module Course (TM)
Course Format: Lec/Lab		Grading: A/B/C/D/F/I
Delivery Method: X Web	<input type="checkbox"/> Hybrid	X Classroom
Semesters Offered: X Fall	X Spring	X Summer

Course Primary Text:

Title: HTML 5	Edition:
Author(s): Matthew David	
Publisher: Focal Press	

Supplemental Materials:

Online resources on HTML and PHP

Course Outcomes:

1	Demonstrate proficiency in HTML 5 Concepts
2	Demonstrate proficiency in CSS Concepts
3	Demonstrate proficiency in JavaScript Concepts
4	Demonstrate proficiency in developing PHP Applications

Course Topics:

Week	Topic
1	Introduction to Web Based Application Development
2	HTML 5 - Introduction
3	HTML 5 - Tables
4	HTML 5 - Forms
5	CSS - Introduction
6	Introduction to JavaScript
7	Midterm Exam and Project
8	Developing Web Applications using PHP
9	Developing Web Applications using PHP - continued
10	Developing Web Applications using PHP - continued

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MASTER COURSE DOCUMENT

11	Developing Web Applications using PHP - continued
12	Developing Web Applications using PHP - continued
13	Developing Web Applications using PHP - continued
14	Final Project
15	Final Project

Methods of Evaluation/Assessment

Grading:

Assignments - 30%
Midterm Exam - 15%
Midterm Project – 15%
Final Project – 40%

Course Keeper: Robert Nields

Date Completed: 5/21/2019