

North Central **Michigan College**

NCMC MASTER COURSE SYLLABUS

Last Date Revised 4/23/2007

DIVISION/AREA: Occupational

DEPARTMENT:

ASSOCIATE DEAN: Robert J. Marsh

ORIGINATOR: Andy Johnson/Robert Marsh

DEAN OF INSTRUCTION: Timothy Dykstra

HOURS OF INSTRUCTION:

Credit hours: 3

Lecture: 3

Lab: 0

Contact hours: 52.80

COURSE TITLE: Advanced Web Page Design

COURSE ALPHA: CAP **COURSE NUMBER:** 210

CATALOG DESCRIPTION:

Students will explore more advanced elements of web page design, including setting up multiple, advanced cascading style sheets and incorporating other media into web pages. The emphasis will be on developing dynamic, multi-level web pages that may include video, audio, animation and embedded scripting. Students will work with web design software to develop sites for personal or business uses. This course assumes proficiency with the computer environment and some previous work in web design.

PREREQUISITE(S): CAP 135 or equivalent

COREQUISITE(S):

GENERAL EDUCATION DISTRIBUTION AREA: N.A.

GENERAL EDUCATION/PROGRAM OUTCOMES:

- Think critically and analytically
- Independently acquire knowledge

COURSE OBJECTIVES AND OUTCOMES:

At the successful conclusion of this course, the student will be able to:

- Design a dynamic multi-level web site

COURSE TITLE AND NUMBER: Advanced Web Page Design CAP 210

- Incorporate Flash video and navigation
- Use multimedia in a web site
- Code using HTML and XML with proficiency

METHODS OF INSTRUCTION: Lecture and demonstration, in class exercises and assignments, homework assignments, project work

METHODS OF EVALUATION: Quizzes, exams, project presentations, homework assignments

REQUIRED TEXT AT TIME OF COURSE ADOPTION/REVISION:

TEXTS: TBD

OPTIONAL SUPPLEMENTARY MATERIALS:

Reasonable accommodations can be provided to students with documented disabilities. Please contact Learning Support Services at 348-6817 to arrange these.

SUGGESTED TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

(List general content description of what is being covered each week)

WEEK 1	Introduction Cascading style sheets (CSS)
WEEK 2	Advanced cascading style sheets (CSS)
WEEK 3	Introduction to Flash navigation
WEEK 4	Flash video
WEEK 5	Ajax interfacing
WEEK 6	Ajax interfacing
WEEK 7	Incorporating Javascript, externally attached and embedded
WEEK 8	Javascript (cont'd)
WEEK 9	Working with servers- Perl scripting
WEEK 10	Working with servers- Forums and blogs
WEEK 11	Advanced coding and scripting- HTML
WEEK 12	Advanced coding and scripting- XML
WEEK 13	Incorporating audio/visual
WEEK 14	Incorporating audio/visual
WEEK 15	E-commerce fundamentals
WEEK 16	Review, final exam

COURSE TITLE AND NUMBER: Advanced Web Page Design CAP 210

APPROVED FOR ADOPTION/REVISION BY THE CRD/AP COMMITTEE ON: 5/9/07