

# **North Central Michigan College**

## NCMC MASTER COURSE SYLLABUS

Last Date Revised: 4/26/2007

**DIVISION/AREA:** Occupational

**DEPARTMENT:**

**ASSOCIATE DEAN:** Dr. Robert Marsh

**ORIGINATOR:** Eric Grandstaff

**DEAN OF INSTRUCTION:** Dr. Timothy Dykstra

**HOURS OF INSTRUCTION:** 3

Credit hours: 3

Lecture: 3

Lab: 0

Contact hours: 52.8

**COURSE TITLE:** Advanced Digital Audio and Video

**COURSE ALPHA:** CAP

**COURSE NUMBER:** 215

**CATALOG DESCRIPTION:**

Builds on Introduction to Digital Audio and Video (CAP 160) and focuses on a more advanced level of production of audio and video. Will be taught using several different types of software as tools to accomplish the end product. Emphasis is placed on concepts, processes, and techniques as opposed to specific software applications. Students will be able to, upon successful completion of this course, edit and assemble audio and video that will play on any computer or that will output to a variety of media, both physical and on the web.

**PREREQUISITE(S):** CAP 160

**COREQUISITE(S):** None

**GENERAL EDUCATION DISTRIBUTION AREA:** N/A

**GENERAL EDUCATION/PROGRAM OUTCOMES:**

Think Critically and Analytically

Independently Acquire Knowledge

**COURSE OBJECTIVES AND OUTCOMES:**

Students successfully completing the course will:

- Possess a solid grounding in digital video production and editing procedures for

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multimedia use.

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- Have a good working knowledge of modern Digital Video Camcorder operations and technologies and their interaction with editing stations.
- Be able to produce and edit a short video project, including basic titling, superimpositions and effects for output to various media such as CD/DVD-ROM or Web environments
- Have a good working knowledge of transferring analog data to digital formats.

**METHODS OF INSTRUCTION:** Lecture, in class exercises, assignments, projects

**METHODS OF EVALUATION:** In class exercises, take home assignments, projects, tests/quizzes

**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	Review of audio and video standards
WEEK 2	Audio and video production software and equipment Begin development of term project and assignments
WEEK 3	Orientation to computer and digital workstations and equipment. Layout term project plan and milestones
WEEK 4	Audio input technologies, integration with video Major project outlines and assignment of projects
WEEK 5	Advanced video input technologies and editing Assignment of video “mini-project” and upload of video to workstations
WEEK 6	In lab: editing mini-projects Exam/major exercise I
WEEK 7	Introduction to alternate audio/video editing technologies (e.g., Adobe, Final Cut) Assessing mini-projects with Instructor
WEEK 8	In lab or shooting in field Uploading of output to editing stations
WEEK 9	In lab or shooting in field Integration with web posting technologies
WEEK 10	Progress report to Instructor; review of footage Exam/major exercise II

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WEEK 11	In lab or shooting Development of web content
WEEK 12	In lab, editing. Develop CD or DVD as output
WEEK 13	In lab, editing Develop PODcast, VODcast and streaming video output
WEEK 14	Project presentations
WEEK 15	Project presentations
WEEK 16	Final in-class exercise or exam Posting projects to the web, review

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