Bemidji State University

MASC 2460: Digital Photography

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   
   Theoretical and applied aspects of digital photography, including camera handling and Photoshop. Students become familiar with all aspects of operating a 35 mm camera and producing quality photographs for media-related work. A survey of the history and principles involved in producing digital photographs, transferring them to computers, enhancing them with software, and incorporating them in publications. Readings, discussions, and individual productions are utilized to familiarize students with the production of digital photos. Lab time required. Digital cameras provided. Lab fees.

B. COURSE EFFECTIVE DATES: 08/24/2009 - Present
C. OUTLINE OF MAJOR CONTENT AREAS

1. Intro to camera check-out and facilities

2. Your eye and the camera's eye: different ways of "seeing";
   Digital SLR-camera basics
   Basic settings: file size, color space, ISO, WB, exposure

3. Hands on practice: camera settings, exposure metering, histogram,
   Camera care

4. Starting the workflow: camera > computer > Photoshop: image size, resolution, download images

5. Photoshop: contact sheet, cropping, straighten, histogram and levels
   Understanding light 1: shutter settings and motion

6. Photoshop: layers, jpg. and psd.files, flattening

7. Understanding light 2: aperture & shutter settings and depth of field

8. Continuing the workflow: camera > computer > printer,
   Intro to printing

9. Equivalent Exposure
   Photoshop: understanding and reading histograms, burning & dodging

10. Practice equivalent exposure

11. Elements of composition (Basics)

12. Understanding light 3: Exposure metering in high contrast situations (over/underexposure, bracketing),
    hands on practice

13. Understanding light 4: Physics and Emotion (The RGB and CMYK color models, the color wheel,
    complementary and analogous colors)
    Color management in the work flow from camera to printer

14. Understanding light 5: Sources and quality of light
    (ISO vs. White Balance, color temperature, seeing color cast)
    Photoshop: color saturation, color corrections

15. Seeing in Black and White

16. Photoshop: from color to B&W; B&W and tonal range

17. Composition: From paintings to photography - What the old (and new) masters teach us

18. Photojournalism:
    categories, history, ethics

19. Model Release Contract

20. Why captions?
    Writing captions
    Photoshop: Laying out and printing an image with caption

21. To do or not to do: Manipulations in portraits

22. Eugene W. Smith: the "father" of the photo essay

23. Creating a layout with several images + captions; Editing (video)

24. The power of photography: impact on society and individuals/ James Nachtwey
D. LEARNING OUTCOMES (General)
   1. become technically competent with the camera
   2. learn to organize a workflow from taking images to editing and printing your work
   3. gain an understanding of light, its effects and creative use
   4. learn elements of composition
   5. apply photographic skills, both technical and aesthetic, to photojournalist/artistic assignments
   6. understand ethical issues and a photographer’s responsibilities in Photojournalism
   7. get to know and analyze the work of masters of photography
   8. learn to give and use constructive photo critique as an important means of learning
   9. start to develop your own photographic ideas and style

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted