



Sultan Qaboos University
College of Education
Department of Instructional & Learning Technologies

SYLLABUS

TECH2113 Optical & Digital Photography in Education

Course Type	Department Requirement
Prerequisite	None
Credit Hours	3
Contact Hours	4 hours (2 hours lecture + 2 hours lab)
Location	Lab EDU 0033
Time	Sunday, Wednesday 8:00 : 9:50
Instructor	Dr. Alaa Sadik Ph.D., University of Hull, UK, 2002 E-mail: alaasadik@squ.edu.om Web Site: www.alaasadik.net Ext. 2414 3988 Office: College of Education, ILT Department, Room 1078

Course Description

This course is designed for ILT students and focuses on the educational uses of optical & digital photography in the education. This practical course balances fact, theory and application as it examines the advantages of photography in education as a visual medium. It presents theories and models relating to photography and discusses strategies for using photos in education settings, demonstrates practical applications and closes with a discussion of the value of digital imaging in education.

Course Objectives

By the end of this course, the student will be able to:

1. Identify the relationship between visual literacy, photos and learning.
2. Show awareness of the different uses of optical & digital photos in teaching and learning.
3. Identify digital camera components, define common terminology, demonstrate basic skills in operating the digital camera and computer to capture and edit photos.
4. Identify and implement strategies for integrating optical & digital photography into education and other educational settings; increase sensitivity to visual elements and apply instructional design principles in the selection and evaluation of photos for educational uses.
5. Use a photo editing tool to manipulate and edit photos.
6. Assess important issues related to photographs in education and the role of images in learning.
7. Demonstrate competence in using digital equipment related to shooting, editing and publishing photos.

Course Activities

- Lecture and discussions
- Mediated presentations
- Hardware and software demonstrations
- Lab activities - hands-on camera and computer experience

Expectations

- Attend all of the course classes. Attendance will be taken every class. Absent student is responsible for obtaining the information covered in

lecture from other students or through an out-of-class appointment with Dr. Alaa Sadik.

- Complete all of the reading and review other resources as required.
- Complete all assignments to the best of your ability
- Submit assignments ON TIME.
- Participate in class through discussions and presentations.
- Participate asynchronously through email, forum discussions and blogs.
- Cooperate with other students through face-to-face or some sort of informal assignments.
- Contact Dr. Alaa Sadik if any question arise about what is expected or about how to use technology that is necessary to complete assignment

Course Content and Schedule *

Spring Semester 2007/2008

Week	Date	Topic and Activity
1	03/02/2008	<u>INTRODUCTION: Photographs in Teaching & Learning</u> - Types of Media - Instructional images as a primary source material - Using optical & digital photographs in education
2	10/02/2008	<u>PART ONE: LITERACY THROUGH PHOTOGRAPHY (LTP)</u> LTP: An overview & key concepts
3	17/02/2008	Visual elements 1. Framing 2. Angle 3. Lighting 4. Timing 5. Contrast 6. Scale 7. Texture 8. Pattern 9. Focus

Week	Date	Topic and Activity
4	24/02/2008	Visual literacy assessment: Analysis and interpretation
5	02/03/2008	<u>PART TWO: SHOOTING</u> Basics of digital photography: Equipment, lens, focusing & light <ol style="list-style-type: none"> 1. Shutter speed 2. Aperture 3. Adjusting exposure 4. Adjusting resolution and compression
6	09/03/2008	Composition: Arrangement & positioning <ol style="list-style-type: none"> 1. Shooting landscape 2. Shooting portrait 3. Shooting different angles of view 4. Shooting panoramic 5. Shooting in macro 6. Shooting lightning 7. Shooting sunsets 8. Shooting at night 9. Shooting sports and actions 10. Shooting hard-to-focus subjects 11. Creative shots
7	16/03/2008	Composition: Arrangement & positioning <ol style="list-style-type: none"> 1. Shooting for instructional use 2. Defining meaning behind photos 3. Reading photos
8	23/03/2008	<u>PART THREE: EDITING AND ENHANCING</u> Importing, categorising and tagging images <ol style="list-style-type: none"> 1. Downloading images 2. Image description and tagging
9	06/04/2008	Fixing and editing photographs <ol style="list-style-type: none"> 1. Resizing 2. Rotating & straightening 3. Selection and cropping 4. Quick fixing 5. Color variations 6. Tone & color 7. Sharpness & softness 8. Removing red eye

Week	Date	Topic and Activity
10	13/04/2008	Creative editing of photographs <ol style="list-style-type: none"> 1. Layers & levels 2. Adjustment layers 3. Creative blurring 4. Filter effects 5. Merging text
11	20/04/2008	<u>PART FOUR: PUBLISHING, SHARING AND ASSESSMENT OF PHOTOGRAPHS</u> Printing images
12	27/04/2008	Presenting and posting digital images <ol style="list-style-type: none"> 1. Computer presentations, slide shoes and CD burning 2. Web pages and blogs 3. Image repositories
13	04/05/2008	Photo-story telling
14	11/05/2008	Submission and assessment of assignments and portfolio
15	18/05/2008	Revision and discussions

** These activities are subject to change depending on class interest and progression*

Course Assessment

Student work will be evaluated based upon the assignments and digital artifacts submitted. This course will involve both individual and group assignments. Rubrics will be used to provide students with an understanding of teacher expectations for each assignment. It is the student's responsibility to refer to the rubric as well as the assignment explanation to best understand teacher expectations. While the course instructor does his best to make the rubrics and assignment descriptions understandable, sometimes the words don't convey the intended information and a misunderstanding may occur. Please contact Dr. Alaa Sadik about any questions you may have.

1. Group-based presentation (*on one of the topics mentioned above to be developed and presented by students during the course from week 3 to week 13*). (5%)
2. Mid term exam (*written exam including short answer, multiple-choice, true/false questions, week 7*). (20%)
3. Digital portfolio (*including a production of multimedia presentations, interactive tools, databases, spreadsheets, Web sites, Word documents, images, video, etc.*) stored on a CD (*to be developed throughout the course and evaluated by the end of week 14. Late portfolios will lose 5% of the final grade for each day late including weekends. A student who is found using materials or tools produced by others improperly will be penalized*). (25%)
4. Short assignment (*printed assignment on one of the classroom applications of the computer, submitted by the end of week 12. Late assignments will lose 5% of the final grade for each day late including weekends. A student who is found using scholarly work improperly will be penalized*). (10%)
5. Final exam (*written exam including short answer, multiple-choice, true/false questions*). (40%)

Required Textbook

Wright, M. (2004). *Digital Photography*. New York: Hylas Publishing.

Suggested Resources

Books available at SQU Main Library

Name: Nibbelink, Don D

Title: *The handbook of student photography* / Don Nibbelink

Publisher: New York: Amphoto, 1981

Name: Georges, Gregory.

Title: *50 fast Photoshop 7 techniques* / Gregory Georges.

Note: xxviii, 340 p. : col. ill. ; 23 cm + 1 Computer optical laser di
Publisher: New York, N. Y. : Wiley, c2002.

Name: Teague, Jason Cranford

Title: Photoshop CS at your fingertips : get in, get out, get exactly what you need /
Jason Cranford Teague and Walt Dietrich

Publisher: Sybex:San Francisco, Calif.,c2004

Name: Long, Ben, 1967-.

Title: Complete digital photography / Ben Long.

xv, 528 p. : ill. (some col.) ; 24 + 1 computer laser optical di

Publisher: Boston, Mass. : Charles River Media, c2005.

Name: Busch, David D.

Title: Mastering digital photography / David D. Busch.

Publisher: boston, Mass. : Muska & Lipman, c2004.

Name: Freeman, Michael.

Title: Complete guide to digital photography .

Publisher: Bury St. Edmunds, England : Lark, 2005.

