LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate Action Date:
		08-81a	AP-4/7/09	App-9/15/09

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person	Email Address
Dr. Richard Lamberski	rjl@iup.edu
Proposing Department/Unit	Phone
Communications Media	724-357-3771

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply)

___X__New Course _____Course Prefix Change _____Course Deletion

_____Course Revision _____Course Number and/or Title Change _____Catalog Description Change

	COMM 151: Basic Lighting for Still & Motion Imagery
***Current* Course prefix, number and full title**	***Proposed* course prefix, number and full title, if changing**

2. Additional Course Designations: check if appropriate

_____ This course is also proposed as a Liberal Studies Course.

_____ This course is also proposed as an Honors College Course.

_____ Other: (e.g., Women's Studies, Pan-African)

3. Program Proposals

_____Catalog Description Change _____Program Revision

_____New Degree Program _____Program Title Change _____Other

_____New Minor Program _____New Track

***Current* program name**	***Proposed* program name, if changing**

4. Approvals		**Date**
Department Curriculum Committee Chair(s)	[signature]	2-10-09
Department Chair(s)	[signature]	2/10/09
College Curriculum Committee Chair	Roger A. Bruce	3/13/09
College Dean	Mary Ann Rafoth	3.12.09
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate:		
(include title)		
UWUCC Co-Chairs	Gail S. Sechrist	4/7/09

* where applicable

Received
MAR 13 2009
Liberal Studies

Table of Contents

Syllabus of Record

I. Catalog Description

COMM 151 Basic Lighting for Still and Motion Imagery — 1 class hour
Prerequisites: None — 0 lab hours
1 credit
(1c-01-1sh)

Examines the basic technical and design aspects of artificial and natural lighting in capturing still and motion imagery. This course emphasizes mastery of the terminology and simulation of lighting concepts and conditions through virtual lighting software.

II. Course Outcomes

Upon completion of the course, the student will be able to

1. Demonstrate an understanding of the basic terminology of lighting equipment and concepts.
2. Compare and contrast film/television and still imagery lighting.
3. Virtually set up, correctly place, and operate lighting equipment for both field and studio applications.
4. Critique photographic, motion picture, and television lighting for appropriateness and effectiveness, including the sources and qualities of light used.

III. Detailed Course Outline

1. Chapter 1 – Why is Lighting Important for Television and Video? (1 Hour)
   a. Reading: Jackman (text) – pgs. 1-9
   b. Assignments: WebCT quiz 1
2. Chapter 2 – Human Vision, the Camera, and Exposure (1 Hour)
   a. Reading: Jackman (text) – pgs. 11-32
   b. Assignments: WebCT quiz 2

   (SKIP CHAPTER 3)
3. Chapter 4 – Lighting Instruments (1 Hour)
   a. Reading: Jackman (text) – pgs. 45-63
   b. Assignments: WebCT quiz 3
4. Virtual Light Lab Tutorial (1 Hour)
   a. Project 0: Virtual Light Lab Tutorial
5. Chapter 5 – Lighting Controls and Uses (1 Hour)
   a. Reading: Jackman (text) – pgs. 65-76
   b. Assignments: WebCT quiz 4
6. Chapter 6 – Basic Lighting Techniques (1 Hour)
   a. Reading: Jackman (text) – pgs. 77-94
   b. Assignments: WebCT quiz 5
7. Chapter 7 – Interview Setups (1 Hour)
   a. Reading: Jackman (text) – pgs. 95-105
   b. Assignments: WebCT quiz 6
8. Virtual Light Lab: Basic Interview Setup (1 Hour)
   a. Project 1: Interview Setup Lighting Simulation
9. Chapter 8 – Solving Common Problems (1 Hour)
   a. Reading: Jackman (text) – pgs. 107-124
   b. Assignments: WebCT quiz 7

10. Chapter 9 – Studio Lighting (1 Hour)
    a. Reading: Jackman (text) – pgs. 125-144
    b. Assignments: WebCT quiz 8

(SKIP CHAPTER 10: SEE BELOW FOR EXTRA CREDIT OPPORTUNITY)**

11. Chapter 11 – Lighting Low-Budget Locations (1 Hour)
    a. Reading: Jackman (text) – pgs. 171-185
    b. Assignments: WebCT quiz 9

12. Chapter 12 – Specialized Lighting (1 Hour)
    a. Reading: Jackman (text) – pgs. 187-216
    b. Assignments: WebCT quiz 10

13. Virtual Light Lab: Product Lighting (1 Hour)
    a. Project 2: Product Lighting Simulation

(SKIP CHAPTER 13)

14. Film Lighting Discussion (1 Hour)

15. Final (2 Hours)
    a. Project 3: Reflection Paper

** **EXTRA CREDIT:** Chapter 10 – Advanced Lighting Setups
    b. Reading: Jackman (text) – pgs. 145-169
    c. Assignments: WebCT Bonus Quiz

IV. Evaluation Methods

WebCT Quizzes-55% (10 quizzes)
Ten online quizzes will be offered through the University learning management system. Quizzes are based on each chapter covered in the course. Quizzes will consist of a combination of multiple choice and true/false items covering terminology, definitions, and basic concepts from the assigned readings and/or online reference material. Your results for these quizzes will be immediately available to you.

Virtual Lighting Simulations 30% (2 simulations)
Completion of two lighting simulations will be required throughout the semester. A detailed grading rubric accompanies each simulation to demonstrate the evaluation criteria. Due to the more complex nature of the second assignment, examples have been provided to demonstrate good and bad lighting techniques. The lighting simulation software and directions for its use will be included as part of the course materials.

Reflection Paper 15% (1-page paper)
At the end of the semester, each student must view an Academy Award-winning film from the last 10 years and write a one-page analysis of the lighting techniques used in one scene. The student will be graded on his or her ability to use correct terminology and to demonstrate overall comprehension of the lighting concepts discussed in the course text. A detailed rubric has been provided as part of the course materials.

V. Sample Grading Scale

A = 90.0 - 100
B = 80.0 - 89.9
C = 70.0 - 79.9
D = 60.0 - 69.9
F = Below 59.9

VI. Course Attendance Policy

As with all IUP classes, students are expected to attend and participate in class. As this course is designed to allow for independent study and completion of course assignments, it is recommended that the student set aside at least three hours one day per week to work with this material and to complete the online course components.

VII. Required Textbooks, Supplemental Books and Readings

Required:

Jackman, J. (2004). *Lighting for Digital Video & Television.* San Francisco: CMP Books.

VIII. Special Resource Requirements

None

IX. Bibliography

Ashford, R. (2007). *500 lighting hints, tricks, and techniques.* East Sussex, England: Rotovision.

Birn, J. (2000). *Lighting & rendering.* Berkley, CA: New Riders Publishing.

Block, B. (2007). *The visual story: Creating the visual structure of film, TV and digital media.* Burlington, MA: Focal Press.

Box, H.C. (2003). *Set lighting technician's handbook: Film lighting equipment, practice, and electrical distribution* (3rd ed.). Burlington, MA: Focal Press.

Brown, B. (2007). *Motion picture and video lighting* (2nd ed.). Burlington, MA: Focal Press.

Child, J. & Galer, M. (2008). *Photographic lighting: Essential skills* (4th ed.). Burlington, MA: Focal Press.

Corbell, T. (2001). *Basic studio lighting: The photographer's complete guide to professional techniques.* New York: Amphoto Books.

Gloman, C., & LeTourneau, T. (2005). *Placing shadows: Lighting techniques for video production* (3rd. ed.). Burlington, MA: Focal Press.

Haw, C.T. (2007). *The studio photographer's lighting bible.* East Sussex, England: Rotovision.

Hunter, F., Biver, S., & Fuqua, P. (2007). *Light: science and magic: An introduction to photographic lighting.* Burlington, MA: Focal Press.

Marr, D. (2004). *Beginner's guide to photographic lighting: Techniques for success in the studio or on location.* Buffalo, NY: Amherst Media Inc.

Neubart, J. (2006). *Location lighting solutions: Expert professional techniques for artistic and commercial success.* New York, NY: Amphoto Books.

Shyles, L.C. (2007). *The art of video production.* Thousand Oaks, CA: Sage Publications.

Zettl, H. (2007). *Sight, sound, motion: Applied media aesthetics* (5th ed.). Belmont, CA: Wadsworth Publishing.

Course Analysis Questionnaire

Section A: Details of the Course

A1 How does this course fit into the programs of the department? For what students is the course designed? (majors, students in other majors, liberal studies). Explain why this content cannot be incorporated into an existing course.

COMM 151 is designed specifically for Communications Media majors. The course is designed to fill two gaps in the Communications Media program. First, the proposed course provides training in lighting design for a variety of broadcast and photographic applications, which, while currently introduced in COMM 150: Communications Media Aesthetics and broadcast and photography courses, is not covered in-depth in the program. This course would provide students with an in-depth understanding of lighting design and the different effects created through different lighting methodologies. Second, due to the design of the Communications Media program, students complete the required coursework with one credit remaining. To make up for this one credit, students must either take a 3-credit course or a 1-credit practicum. Because practicums are in short supply and require a relatively high GPA, most students are required to take the 3-credit course. This course would allow another 1-credit option for degree completion.

A2 Does this course require changes in the content of existing courses or requirements for a program? If catalog descriptions of other courses or department programs must be changed as a result of the adoption of this course, please submit as separate proposals all other changes in courses and/or program requirements.

This course compliments rather than detracts from other courses in the major in that it provides more in-depth information in the area of basic lighting technique for photographic and broadcast purposes. Additionally this course is meant to provide students with a one-credit option in completing the degree program.

A3 Has this course ever been offered at IUP on a trial basis (e.g. as a special topic) If so, explain the details of the offering (semester/year and number of students).

This course has not been offered on the IUP campus. Once approved, this course would be piloted with on-campus students. Following this pilot offering, the course is planned to be offered as a distance-only course option.

A4 Is this course to be a dual-level course? If so, please note that the graduate approval occurs after the undergraduate.

This course will only be offered at the undergraduate level.

A5 If this course may be taken for variable credit, what criteria will be used to relate the credits to the learning experience of each student? Who will make this determination and by what procedures?

Variable credit will not be granted for this course.

A6 Do other higher education institutions currently offer this course? If so, please list examples (institution, course title).

While we did not find any other higher educational institution offering an online lighting course, we did find the following non-credit courses.

- Strobist.com – Lighting 101 and Lighting 102
  This website offers two online courses in off-camera photographic lighting. Students are instructed by way of written directions, photos, and discussions. Students try out each new lighting technique using their lighting kits and cameras and are able to post their photos for others to look at. Lighting 101 is a basic lighting course that focuses on the fundamental elements of a lighting kit and the uses for each. Lighting 102 is more advanced and focuses on different lighting controls: the size of the light source, the position, the intensity, etc.

- ACS Distance Education – Photographic Lighting
  This online course is comprised of eight lessons that focus on basic lighting concepts, light equipment, and lighting techniques for both on-location and studio lighting. Students learn by examining different film types in order to look at the suitability for different lighting setups, shooting subjects under a variety of light conditions, and analyzing lighting effects in photos.

A7 Is the content, or are the skills, of the proposed course recommended or required by a professional society, accrediting authority, law or other external agency? If so, please provide documentation.

While this course content is not required by an accrediting authority, the skills presented in the course would be desirable for anyone working in broadcast or photography or who are working with video or photographic productions for communications purposes.

Section B: Interdisciplinary Implications

B1 Will this course be taught by instructors from more than one department? If so, explain the teaching plan, its rationale, and how the team will adhere to the syllabus of record.

This course is intended to only be taught by faculty or temporary faculty in the Department of Communications Media.

B2 What is the relationship between the content of this course and the content of courses offered by other departments? Summarize your discussions (with other departments) concerning the proposed changes and indicate how any conflicts have been resolved. Please attach relevant memoranda from these departments that clarify their attitudes toward the proposed change(s).

Currently, IUP only offers three theater courses in which the topic of lighting is presented. These courses include the following:

- THTR 116 Fundamentals of Theatrical Design
- THTR 221 Basic Stage Lighting
- THTR 321 Stage Lighting Design

While there may be some overlap in lighting principles and basic lighting terminology, these courses vary from COMM 151 in that they have been designed specifically for theatrical production which requires more detail and attention to the design element than lighting for Communications Media purposes.

To assure that there is no duplication of effort, Dr. Richard Lamberski contacted Mr. Brian Jones of the theater department with the proposed course. He has provided the attached statement (Appendix A). Dr. Lamberski has been in contact with Mr. Brian Jones since the conceptualization of this course. In fact, the lighting software licensure for COMM151 has benefited the theater department in obtaining an upgrade.

B3 Will this course be cross-listed with other departments? If so, please summarize the department representatives' discussions concerning the course and indicate how consistency will be maintained across departments.

This course will not be cross-listed with any other department.

Section C: Implementation

C1 Are faculty resources adequate? If you are not requesting or have not been authorized to hire additional faculty, demonstrate how this course will fit into the schedule(s) of current faculty. What will be taught less frequently or in fewer sections to make this possible? Please specify how preparation and equated workload will be assigned for this course.

This course is projected to be offered during the newly initiated winter session and during the summer. We feel that this 1-credit distance education course would be appealing to students while they are away from the University, either during the holiday break or while working during the summer. However, the course may be offered at other times as dictated by need.

C2 What other resources will be needed to teach this course and how adequate are the current resources? If not adequate, what plans exist for achieving adequacy? Reply in terms of the following:

The initial offering of this course would require classroom space with computer presentation equipment, preferably a computer lab if available. Subsequent offerings of the course would be offered completely via online learning technologies (e.g., Learning Management System and e-mail). Students taking the course would be required to be able to download and install the software necessary for participating in course exercises and activities. This software will be provided free of charge; however, students will be expected to install the software on their own. These requirements are presented up front in the course as part of the student requirements.

C3 Are any of the resources for this course funded by a grant? If so, what provisions have been made to continue support for this course once the grant has expired? (Attach letters of support from Dean, Provost, etc.)

This course is not sponsored by a grant.

C4 How frequently do you expect this course to be offered? Is this course particularly designed for or restricted to certain seasonal semesters?

As noted in C1 above, it will be offered during the winter and summer sessions. However, the course may be offered at other times as dictated by need.

C5 How many sections of this course do you anticipate offering in any single semester?

This course will be piloted during summer session 1. There will be 3 sections with 15 students in each.

C6 How many students do you plan to accommodate in a section of this course? What is the justification for this planned number of students?

If summer offerings are successful, we will offer 3 sections, with 15 students in each, for the following 2009-2010 winter session. Anticipating 15 students per 1-credit section, this makes a 45-student equivalency for a 3-credit traditional course.

C7 Does any professional society recommend enrollment limits or parameters for a course of this nature? If they do, please quote from the appropriate documents.

Not applicable; no accreditation standards available. This course will be a benefit to our more advanced production courses, such as COMM240 (Communications Graphics), COMM251 (Television Production), COMM271 (Beginning Photography), COMM445 (Application and Techniques of Motion Pictures), and COMM447 (Animation). Please note that there are other advanced courses that would benefit from base knowledge that will be introduced in this Basic Lighting course.

C8 If this course is a distance education course, see the Implementation of Distance Education Agreement and the Undergraduate Distance Education Review Form in Appendix D and respond to the questions listed.

UWUCC Undergraduate Distance Education Review Form is included in the next section of this document.

Section D: Miscellaneous

Include any additional information valuable to those reviewing this new course proposal.

Letters of Support

Indiana University of Pennsylvania

Department of Theater and Dance

January 28, 2009

TO: RICH LAMBERSKI, Communications Media

FROM: BRIAN JONES, Chair, Department of Theater and Dance

SUBJ: COMM 151, Basic Lighting for Still and Motion Imagery

As requested, I am writing this letter to describe the affect that the proposed course addition of COMM 151 will have on the Department of Theater and Dance. The proposed one-credit online course will supplement our courses, THTR 221, Basic Stage Lighting, and THTR 321, Stage Lighting Design, with additional content appropriate to film and video lighting. This content is not part of our curriculum in the Department of Theater and Dance. We welcome the addition of the proposed course by our colleagues in Communications Media.

Subject: Re: Just a Reminder
From: kurt dudt <kdudt@iup.edu>
Date: Tue, 27 Jan 2009 11:14:52 -0500
To: "Richard J. Lamberski" <rjl@iup.edu>

Rich,

This email is to indicate my complete support for the Comm 151 course. The department needs a lighting course and we need a one credit course..so this combination will be very helpful. Good luck with the approval process.
thanks, Kurt

Richard J. Lamberski wrote:

> Kurt,
>
> I know you've been really busy both professionally and personally. I need a chair's short letter of support for the one-credit distant learning course, COMM151 Basic Lighting for Still and Motion Imagery.
>
> While I know you have been patient, it really has taken 18 months of work to get the course acceptable to be totally distant learning using state-of-the-art software for simulation. I believe you have received the proposed syllabus of record.
>
> I appreciate your support in this effort,
> Richard