**USC SCA CTPR 537 INTERMEDIATE CINEMATOGRAPHY Spring 2016**

**2 units Prerequisites: CTPR-508 or CTAN-547**

INSTRUCTOR: Skye Borgman

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PHONE: 323.309.2766

DAY: Thursday

TIME: 1:00-4:50 pm

LOCATION: SCC Stage 3

BLACKBOARD: <http://www.usc.edu/its/blackboard.html>

SA: Eric Pan

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PHONE: 310-968-5335

## OVERVIEW

Welcome to CTPR 537. This class will introduce you to 16mm film stocks, the Sony F5 camera, professional light meters, and intermediate lighting principles. Classes will consist of lectures, demonstrations, and in-class exercises in which students will serve in a variety of crew positions.

Athletic shoes and long pants MUST be worn to all Cinematography classes, when picking up and returning equipment. No open toed, dress shoes, shorts, skirts or dressses will be permitted. If you come to class dressed inappropriately, you will be asked to leave and may return when dressed for a work environment.

**COURSE OBJECTIVES**

* To further the student’s understanding and appreciation of the art and craft of cinematography
* to enhance the effectiveness of visual storytelling
* to develop the student’s problem solving abilities

**COURSE REQUIREMENTS AND GRADES**

Required Reading 1) The class packet, available on Blackboard, contains A) LECTURES- the class notes which outline the weekly lectures and allow you to actively listen instead of taking notes, B) ARTICLES-pertinent to the class, C) ASSIGNMENTS- information to explain and assist you with the semester assignments, D) GUIDELINES- related to set protocal, E) CAMERA MECHANICS- information related to the use of film and digital cameras, F) CHARTS, LISTS & OTHER INFORMATION- various supplememental materials, i.e., depth of field charts, light meter information, etc., G) EQUIPMENT MANUALS.

The class text is Voice & Vision by Mick Hurbis-Cherrier, (Reading assignments based on 1st edition).

**GRADING** p.2

Grading is based on a combination of both objective and subjective criteria. However, the larger percentage of your final grade does come from the latter. Therefore, it is imperative that you understand what is expected from you in this class. If at any time you are wondering how you are progressing, please arrange a meeting with me to discuss your status.

10% Still Assignment

30% Final assignment including a one page summary & self critique, due the day of screening. (This exercise must be proposed by you and approved by me.)

40% Crew performance during “in class” exercises. Throughout the semester you will be assigned rotating crew positions on specific lighting and shooting exercises. Your performance will be evaluated on preparedness, (bring all necessary equipment & supplies), collaboration, efficiency, respect for crew and equipment, and problem solving ability.

20% Class participation. You need to “be there” mentally as well as physically.

Attendance is not optional. 1) You must discuss all absences and latenesses from class with me. 2) Absence or lateness will be categorized as excused or unexcused. An absence or lateness is considered excused if you discuss it with me and have a note from an authority. All medical absences require a visit and note from a doctor.

Unexcused absence will alter your final grade in the following way: (Examples assume you earn an A.)

One absence will result in your final grade dropping one portion of a grade, i.e., from A to A-.

Two absences will result in your final grade dropping two portions of a grade, i.e. from A to A- (one) to B+ (two portions of a grade).

Three absences will result in your final grade dropping three portions of a grade, i.e. from A to A- (one), to B+ (two), to B (three portions of a grade). And so on...

Unexcused lateness will alter your final grade in the following way: (Examples assume you earn an A.)

One lateness will not count against you, it’s LA.

Two will result in your final grade dropping one letter portion of a grade, i.e. from A to A-.

Three will result in your final grade dropping by two portions of a grade, i.e., from A to A- (one), to B+ (two portions of a grade).

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Four will result in your final grade dropping three portions of a grade, i.e. from A to A- (one) to B+ (two), to B (three portions of a grade). And so on...

If you arrive late, you MUST come to me during a break and let me know you are present. Please don’t assume I saw you arrive. If you fail to do so, you may be marked absent.

**ASSIGNMENTS**

There are two class assignments 1) a still assignment (due mid semester) and 2) a final HD assignments (due at the end of the semester).

**REQUIRED COURSE EQUIPMENT**

* a digital or analogue still camera
* a small flash light (the type that allows the flashlight globe to be exposed, i.e., freestanding candle mode of mag light). The led mini mag light works well. http://maglite.com/shop/mini-maglite-led-2-cell-aaa-flashlight.html#.VKseACjALjQ

**OPTIONAL COURSE EQUIPMENT**

* a light meter- There are a few available from the equipment center BUT I highly recommend you purchase your own if you are serious about learning to use one.

**ACADEMIC CONDUCT**

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences.  Please familiarize yourself with the discussion of plagiarism in *SCampus* in Section 11, *Behavior Violating University Standard*

[*https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/*](https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/).  Other forms of academic dishonesty are equally unacceptable.  See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct/>.

Discrimination, sexual assault, and harassment are not tolerated by the university.  You are encouraged to report any incidents to the *Office of Equity and Diversity* <http://equity.usc.edu/> or to the *Department of Public Safety* <http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us>.  This is important for the safety whole USC community.  Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person.  *The Center for Women and Men* <http://www.usc.edu/student-affairs/cwm/> provides 24/7 confidential support, and the sexual assault resource center webpage [sarc@usc.edu](mailto:sarc@usc.edu) describes reporting options and other resources.

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**SUPPORT SYSTEMS**

A number of USC’s schools provide support for students who need help with scholarly

writing.  Check with your advisor or program staff to find out more.  Students whose primary

language is not English should check with the *American Language Institute* <http://dornsife.usc.edu/ali>, which sponsors courses and workshops specifically for international graduate students.  *The Office of Disability Services and Programs* <http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html>provides certification for students with disabilities and helps arrange the relevant accommodations.  If an officially  declared emergency makes travel to campus infeasible, *USC Emergency Information* <http://emergency.usc.edu/>will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

537 WEEKLY BREAKDOWN p 5

**Voice & Vision**

**Week Topics Blackboard Content Text (based on 1st ed.)**

1 Hand out syllabus p.248-255

01/14 Function of Light LECTURES-

Properties of Light: Angle & Quality Properties of Light: Angle &Quality p.239-242

silks, bounce & diffusion

CHARTS, LISTS & OTHER INFO. - p.139-154

Discuss Light Meters Light Meter Information Intro. Arri SR2-practice building MANUALS- Arri SR2

& loading

Labeling Mags, and Various Film Cans GUIDELINES- For Labeling Mags, and Various Film Cans

SA- Syllabus, 2Arri SR2 packages with 2 tripods & 2 black bags, laptop & DVD playback with 50 inch monitor

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2 Quiz

01/21 Properties of Light: LECTURES -

Quantity: FC vs F/stop worksheet Properties of Light: Quantity p.255-270

Inverse Sq. Law

View Film Clips: ARTICLES-Spotless Filmmaking

How to Use a Light Meter LECTURES- How to Use a Light Meter p.223-230

How to Fill in a Camera Report GUIDELINES- For Filling in a Camera Report

Stage Check out (Stephen Goepel)

SA- 2Arri SR2 packages with 2 tripods & 2 black bags, 2 changing tents, as many light meters as possible, Laptop & DVD playback with 50 inch monitor, 8 light meters, USC camera reports for each student, copies of Quiz #1, copies of FC vs F/stop worksheet.

Students- Light meter, flash light.

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# 3 Quiz LECTURES- p.242-248

01/28 Properties of Light: ColorProperties of Light: Color p.260-266

Intro. To F5

Electricity LECTURES- Electricity p.266-270

Stage distro

SA- Sony EX 1 package & tripod, laptop & DVD playback with 50 inch monitor, copies of Quiz #2

Students- Flash light.

537 WEEKLY BREAKDOWN p. 6

**Week Topics Black Board Content Text Book**

4 Quiz

02/4 Review of C-stands, nets, flags

Review lighting ratios

Review 3 point lighting

Review incident vs reflected meters

Shoot In-class exercise w/

Skye as Cinematographer

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package. ND.6 filter for F-5, 2 bead board holders, 1 platypus,1 cardellini clamp, 1 mafer clamp, 1 gator grip, laptop playback with 50 inch monitor. VAULT ORDER-one 100 ft. roll of Kodak 7219 (500T),

Students- light meter, flash light.

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5 Quiz

02/11 Screen In-class exercises LECTURES-

Lenses: focal length, f/stops Do Lenses Have Personalities?

Screen film clips Position or Angle of Lens

Focal Length p.193-199

Shoot In class exercises (1) Aperture p.201-203

http://provideocoalition.com/index.php/freshdv/story/video\_tutorial\_understanding\_depth\_of\_field/

Discouss mid term

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package. Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus,1 cardellini clamp, 1 mafer clamp, 1 gator grip, laptop , DVD & dv cam playback with 50 inch monitor.

Students- light meter, flash light. Still assignment & worksheet are due.

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6 Quiz

02/18 Screen In-class exercises

& still assignments LECTURES-

Lenses: Focus, Depth of Field Focus, (depth of field) p.200

Practice pulling focus on video camera p.203-207 http://provideocoalition.com/index.php/freshdv/story/freshdv\_film\_school\_art\_of\_focus/

Shoot In class exercises (2)

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package.2 black camera bags, Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, , 2 bead board holders, 1 platypus, 1 cardellini clamp, 1 mafer clamp, 1 gator grip, laptop, DVD & dv cam playback with 50 inch monitor.

Students- light meter, flash light, Still assignment & worksheets are due.

537 WEEKLY BREAKDOWN p.7

**Week Topics Black Board Content Text Book**

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7 Quiz

02/25 Screen In-class exercises The Exposure Triangle p.211-221

& still assignments

Introduce use of dolly MANUALS- PeeWee Dolly Manual

Shoot In-class exercises (3)

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package, adaptor kit to place fluid head on the dolly. (Must be Bogen Head), Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus,1 cardellini clamp, 1 mafer clamp, 1 gator grip, dolly track (if available) laptop, DVD & dv cam playback with 50 inch monitor.

Students- Flash light, light meters, Still assignment & worksheets are due

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8 Screen In-class exercises p.329-344

03/3 & still assignments

How to shoot Matching Reverses

Introduce use of HMI’s & 12x12

Shoot day exterior (Skye as cinematographer) p.247 &248 p.258-260

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package. The following filters: 85, ND 3, 6 & 9 & Sky Blue grads 1 & 5, Chocolate 6, BPM 1, 12 x 12 frame set and 2 med. rolling stands plus solid, silk, & single net, Polito board & bracket, laptop, DVD & dv cam playback with 50 inch monitor.

Students- Flash light, light meters, Still assignment & worksheets are due.

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9 Screen In-class exercises

03/10

Shoot In-class exercises (4)

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package, Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus, 1 cardellini clamp, 1 mafer clamp, 1 gator grip, dv cam playback with 50 inch monitor.

Students- Flash light, light meters.

537 WEEKLY BREAKDOWN p.8

**Week Topics Black Board Content Text Book**

SPRING BREAK

03/17

10 Screen In-class exercises

03/24 Intro. to Video & waveform monitor LECTURES- Comparing p.169-192

Compare film & video Film & Video Terms p.208-210

Shoot in class exercises (5) p.230-236

p.281-284

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package.Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus,1 cardellini clamp, 1 mafer clamp, 1 gator grip, DVD & dv cam playback with 50 inch monitor.

Students- Flash light, light meters.

11 Screen In-class exercises

03/31 Kino Flo Demo

The Relatioship between F/stop & ASA (ISO) Worksheet

Shoot In-class exercises (6)

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package, 8 light meters,

The Relatioship between F/stop & ASA (ISO) Worksheet, Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus,1 cardellini clamp, 1 mafer clamp, 1 gator grip, DVD & dv cam playback with 50 inch monitor.

Students- Flash light, light meters. SIGN UP FOR EQUIPMENT FROM PEC FOR FINAL HD ASSIGNMENT

12 Screen In-class exercises

04/07 Show how to Rate a Digital Camera

# Shoot In- class exercises (7)

MANUALS- Sony EX1

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package, Sony EX1 package & tripod, Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus, 1 cardellini clamp, 1 mafer clamp, 1 gator grip, DVD & dv cam playback with 50 inch monitor.

Students- Flash light, light meters. SIGN UP FOR EQUIPMENT FROM PEC FOR FINAL HD ASSIGNMENT

537 WEEKLY BREAKDOWN p.9

**Week Topics Black Board Content Text Book**

13 Discuss Final Assignment

04/14 Screen In-class exercises

Shoot In- class exercises (8)

SA- 1Arri SR2 package with 1 tripod, 1 changing tent, 2 black camera bags, & 1 Sony F-5 package.Intermediate lighting kit, 1 Mini-Mole light, diffusion set, barndoors & mole pac stand, 2 bead board holders, 1 platypus, 1 cardellini clamp, 1 mafer clamp, 1 gator grip, DVD & dv cam playback with 50 inch

Students- Flash light, light meters. SHOOT FINAL HD ASSIGNMENT

14 OPEN CLASS

04/21

Students- SHOOT FINAL HD ASSIGNMENT

15 Field trip

04/28

Students- SHOOT FINAL HD ASSIGNMENT **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

16 FINAL CLASS

05/05 SCREEN FINAL HD ASSIGNMENTS

SA- Laptop or someway to playback final assignments.

Students- EMAIL YOUR SUMMARY/SELF-CRITIQUE TO THE CLASS.

Please note all students are required to attend the last class and screen their final assignment that day.