



IUPUI

**SCHOOL OF INFORMATICS  
AND COMPUTING**

DEPARTMENT OF HUMAN-CENTERED COMPUTING  
Indiana University–Purdue University  
Indianapolis

**NEWM N354  
Directorial Analysis and RAW Workflow**

**Media Arts and Science Program, Department of Human-Centered Computing  
Indiana University School of Informatics and Computing, Indianapolis  
Fall 2016**

*Section No.:* 33040      *Credit Hours:* 3  
*Time:* Wednesdays, 3–5:40 pm  
*Location:* IT 271, Informatics & Communications Technology Complex  
535 West Michigan Street, Indianapolis, IN 46202 [\[map\]](#)  
*First Class:* August 24th, 2016  
*Website:* <https://canvas.iu.edu/...>

*Instructor:* C. Thomas Lewis, MFA (Film)  
*Office Hours:* Tuesdays, 2–4 pm, or by Appointment  
*Office:* IT 473  
*Phone:* (317) 278-3799  
*Email:* [lewisct@iupui.edu](mailto:lewisct@iupui.edu)  
*Website:* <https://soic.iupui.edu/people/thomas-lewis/>

*Prerequisites:* N253 (Recommended N353)

**COURSE DESCRIPTION**

Students screen and analyze the unique visual styles of different directors. They complete preproduction, filming, and postproduction on a scene inspired by a selected film using industry standard software and best practices for RAW workflow and color grading.

**EXTENDED COURSE DESCRIPTION**

During the first eight weeks of this course, students analyze the visual approach used by the directors of eight films screened in class. Each student writes a paper about one of the films. Students form small production groups, select a film to emulate, and complete preproduction by week nine for a film shoot scheduled during the second half of the course.

During the second eight weeks, students will use existing footage to learn the RAW workflow techniques involved in color grading. The production groups will shoot a scene inspired by the film they selected. Using color grading techniques and a proper RAW workflow, students will complete the post-production of their scene as their final project.

**Software used:**

DaVinci Resolve, Avid Media Composer

**Teaching and Learning Methods:**

Linda.com tutorials for DaVinci Resolve

Hands-on learning of techniques with provided footage

Screenings of feature films

Readings and discussions of narrative film theory and style

Writing assignments applying theory to films screened

Producing one video

Critiques of student work at various milestones

**Learning Outcomes:**

Upon completion of the course, students will	RBT	PUL	Program Outcomes	Assessment
1. apply RAW workflow methods	3	3	6	Assignments
2. use the tools and technology of RAW workflow in video production	3	3	6	Final Video Assignments
3. apply the concepts of visual literacy as they pertain to narrative film	2, 3	1A	1	Final Video Assignments Class Participation
4. demonstrate preproduction, production, and postproduction of RAW workflow filming	3	1A, 3	3, 4	Final Video Assignments
5. analyze visual aspects of a film	4	1A	2, 5	Paper Quizzes Class Participation

**Principles of Undergraduate Learning (PUL):**

Learning outcomes are assessed in the following areas:

- |   |                |
|---|----------------|
| 1A. Core communication: written, oral and visual skills | Minor emphasis |
| 1B. Core communication: quantitative skills             |                |
| 1C. Core communication: information resources skills    |                |
| 2. Critical thinking                                    | Major emphasis |
| 3. Integration and application of knowledge             |                |
| 4. Intellectual depth, breadth, and adaptiveness        |                |
| 5. Understanding society and culture                    |                |
| 6. Values and ethics                                    |                |

## **Undergraduate Media Arts and Science Learning Outcomes**

Graduates of the Media Arts and Science undergraduate program will demonstrate expertise in the following core competencies essential to success as an informatics, computing and information technology professional specializing in new and interactive media:

1. Understand digital media and its effective use as a form of communication
2. Communicate ideas effectively in written and oral form to a range of audiences
3. Work effectively as a member of a team to achieve a common goal
4. Analyze a problem, identify and evaluate alternatives and plan an appropriate solution
5. Appreciate the history, theory and traditions of digital media. Evaluate media from multiple perspectives using the theories, concepts and language of digital media
6. Demonstrate mastery of the concepts, techniques and tools in one or more digital media specialties
7. Apply knowledge and skills to develop professional quality digital media productions in a timely manner and utilizing best practices and standards
8. Explain the impact of digital media on individuals, organizations and society
9. Acknowledge diverse opinions regarding professional, ethical, legal and social issues with a global perspective
10. Appreciate the need for lifelong learning and have a plan for continuing professional development

### **Teaching Objectives:**

- To teach technical skills of RAW workflow and creative methods of color grading
- To analyze and provide insight into the directorial approach of a selected film director
- To thoroughly experience the requirements of pre-production, production and post-production as put into practice making a short narrative scene shot in RAW.
- To give advanced experience of the tools involved in video production: cameras, lights, grip equipment, microphones and editing & presentation software.
- To give exposure to the theories and discourse surrounding narrative filmmaking.
- To give exposure to key creative aspects of films of a featured director

### **Core Technical Competencies:**

- How to plan and execute technical requirements of RAW workflow
- How to approach and execute the color grading of a film
- How to acquire RAW video
- How to work with tapeless video acquisition
- How to analyze and write about narrative film.

### **Class supplies:**

- Blank Blu-ray Discs/Cases

- External Fire Wire Hard Drive – 100-150 GB minimum
- Headphones (for editing in lab)
- Leather work gloves for handling lights

## **EXPECTATIONS, GUIDELINES, AND POLICIES**

### **Attendance:**

The success of the course depends on the consistent attendance of everyone. Genuine reasons like medical concerns will be taken into consideration with proper doctor certification. Attendance will be taken at the beginning of the class and possibly at the end. Canvas is used for attendance and is graded like an assignment. Canvas calculates tardies at 80%.

Any student arriving late/leaving early consistently without a valid reason will be docked a letter grade. If you miss a class, it becomes your responsibility to get any notes from a classmate. Do not ask me.

### **Incomplete:**

The instructor may assign an Incomplete (I) grade only if at least 75% of the required coursework has been completed at passing quality and holding you to previously established time limits would result in unjust hardship to you. All unfinished work must be completed by the date set by the instructor. Left unchanged, an Incomplete automatically becomes an F after one year. <http://registrar.iupui.edu/incomp.html>

### **Deliverables:**

You are responsible for completing each deliverable (e.g., assignment, quiz) by its deadline and submitting it by the specified method. Deadlines will be presented in class and/or supplementary documents accessible through Canvas. Should you miss a class, you are still responsible for completing the deliverable and for finding out what was covered in class, including any new or modified deliverable. In fairness to the instructor and students who completed their work on time, a grade on a late deliverable shall be reduced 25%. There is a further reduction of 10% for each 24-hour period it is submitted after the deadline.

### **Exams/quizzes:**

- There could be quizzes, surprise and otherwise.
- Quizzes will happen at the beginning of class. There will be no extensions for lateness and no make-ups for absences.
- There will be no grade change unless there is a proof of mathematical miscalculation.

### **Class Assignments:**

Assignments include an analysis paper on one of the films screened in class, milestones regarding the creation of the videos, and peer reviews of each production.

### **Participation:**

All students are expected to participate by answering questions, asking questions and actively discussing projects during lecture. Students are expected to participate in the film shoots, and to vary the capacity in which they work. Your active participation is crucial for class morale. See further information about class participation under Grading Information.

### **Grading Information:**

The breakdown of your final grade is as follows:

- 30% Final Video
  - 10% shooting
  - 10% editing
  - 10% color grading
- 10% Paper
- 30% Assignments
- 20% Quizzes
- 10% Class Participation

Class participation refers to the frequency AND quality of your contributions as seen in your presentation of ideas, your contribution to discussions, your enthusiasm to participate with the hands-on aspects of production. (As well as the points discussed in the section above.)

I will not accept ANY assignments after 1 week following the original due date. Class ends at 5:40, you have until 5:40 the following week to submit a late assignment and still get a small amount of credit.

### **Grading Scale:**

A+	97–100%	Professional level work, showing highest level of achievement
A	93–96.99%	Extraordinarily high achievement, quality of work; shows command of the subject matter
A–	90–92.99%	Excellent and thorough knowledge of the subject matter
B+	87–89.99%	Above average understanding of material and quality of work
B	83–86.99%	Mastery and fulfillment of all course requirements; good, acceptable work
B–	80–82.99%	Satisfactory quality of work
C+	77–79.99%	Modestly acceptable performance and quality of work
C	73–76.99%	Minimally acceptable performance and quality of work
C–	70–72.99%	Unacceptable work (Core course must be repeated for credit)
D+	67–69.99%	Unacceptable work (Course must be repeated for credit)
D	63–66.99%	Unacceptable work
D–	60–62.99%	Unacceptable work
F	Below 60	Unacceptable work

No credit is granted for a grade below C.

### **Instructions for Checking out Equipment**

- The Equipment Room is IT 259
- Do not wait until the last minute to reserve a camera.
- Equipment reservations must be made at least 24 hours in advance.
- Review the equipment check-out policies at:  
<http://soic.iupui.edu/technology/policies/equipment/>

**Reserve available equipment at:**

<https://soic.iupui.edu/app/support/reserve/equipment/?casticket=ST-840770-cpHBu4txyPW2nIXsI2rb-casprd02.uits.iu.edu>

Accessing IT270 lab for after school hours

To get access to the IT270 after 9 pm weekdays or 6 pm weekends, you will need to print a request form from: <http://informatics.iupui.edu/technology/labs/>

Fill in the form, get my signature, and then submit the form to Mike. Once your Jagtag is scanned, you will be able to enter the lab after school hours.

## CODE OF CONDUCT

All students should aspire to the highest standards of academic integrity. Using another student's work on an assignment, cheating on a test, not quoting or citing references correctly, or any other form of dishonesty or plagiarism shall result in a grade of zero on the item and possibly an F in the course. Incidences of academic misconduct shall be referred to the Department Chair and repeated violations shall result in dismissal from the program.

All students are responsible for reading, understanding, and applying the *Code of Student Rights, Responsibilities and Conduct* and in particular the section on academic misconduct. Refer to *The Code > Responsibilities > Academic Misconduct* at <http://www.indiana.edu/~code/>. All students must also successfully complete the Indiana University Department of Education "How to Recognize Plagiarism" Tutorial and Test. <https://www.indiana.edu/~istd> You must document the difference between your writing and that of others. Use quotation marks in addition to a citation, page number, and reference whenever writing someone else's words (e.g., following the *Publication Manual of the American Psychological Association*). To detect plagiarism instructors apply a range of methods, including Turnitin.com. <http://www.ulib.iupui.edu/libinfo/turnitin>

### Academic Misconduct:

1. **Cheating:** Cheating is considered to be an attempt to use or provide unauthorized assistance, materials, information, or study aids in any form and in any academic exercise or environment.
  - a. A student must not use external assistance on any "in-class" or "take-home" examination, unless the instructor specifically has authorized external assistance. This prohibition includes, but is not limited to, the use of tutors, books, notes, calculators, computers, and wireless communication devices.
  - b. A student must not use another person as a substitute in the taking of an examination or quiz, nor allow other persons to conduct research or to prepare work, without advanced authorization from the instructor to whom the work is being submitted.
  - c. A student must not use materials from a commercial term paper company, files of papers prepared by other persons, or submit documents found on the Internet.
  - d. A student must not collaborate with other persons on a particular project and submit a copy of a written report that is represented explicitly or implicitly as the student's individual work.
  - e. A student must not use any unauthorized assistance in a laboratory, at a computer terminal, or on fieldwork.

- f. A student must not steal examinations or other course materials, including but not limited to, physical copies and photographic or electronic images.
  - g. A student must not submit substantial portions of the same academic work for credit or honors more than once without permission of the instructor or program to whom the work is being submitted.
  - h. A student must not, without authorization, alter a grade or score in any way, nor alter answers on a returned exam or assignment for credit.
2. **Fabrication:** A student must not falsify or invent any information or data in an academic exercise including, but not limited to, records or reports, laboratory results, and citation to the sources of information.
  3. **Plagiarism:** Plagiarism is defined as presenting someone else's work, including the work of other students, as one's own. Any ideas or materials taken from another source for either written or oral use must be fully acknowledged, unless the information is common knowledge. What is considered "common knowledge" may differ from course to course.
    - a. A student must not adopt or reproduce ideas, opinions, theories, formulas, graphics, or pictures of another person without acknowledgment.
    - b. A student must give credit to the originality of others and acknowledge indebtedness whenever:
      1. directly quoting another person's actual words, whether oral or written;
      2. using another person's ideas, opinions, or theories;
      3. paraphrasing the words, ideas, opinions, or theories of others, whether oral or written;
      4. borrowing facts, statistics, or illustrative material; or
      5. offering materials assembled or collected by others in the form of projects or collections without acknowledgment
  4. **Interference:** A student must not steal, change, destroy, or impede another student's work, nor should the student unjustly attempt, through a bribe, a promise of favors or threats, to affect any student's grade or the evaluation of academic performance. Impeding another student's work includes, but is not limited to, the theft, defacement, or mutilation of resources so as to deprive others of the information they contain.
  5. **Violation of Course Rules:** A student must not violate course rules established by a department, the course syllabus, verbal or written instructions, or the course materials that are rationally related to the content of the course or to the enhancement of the learning process in the course.
  6. **Facilitating Academic Dishonesty:** A student must not intentionally or knowingly help or attempt to help another student to commit an act of academic misconduct, nor allow another student to use his or her work or resources to commit an act of misconduct.

## **OTHER POLICIES**

1. **Administrative withdrawal:** Students must participate in all class discussions and conscientiously complete all required course activities and/or assignments. If a student is unable to attend, participate in, or complete an assignment on time, the student must

inform the instructor. If a student misses more than half of the required activities within the first 25% of the course without contacting the instructor, the student may be administratively withdrawn from this course. Administrative withdrawal may have academic, financial, and financial aid implications. Administrative withdrawal occurs after the full refund period, and a student who has been administratively withdrawn is ineligible for a tuition refund.

2. **Civility:** To maintain an effective and inclusive learning environment, it is important to be an attentive and respectful participant in lectures, discussions, group work, and other classroom exercises. Thus, unnecessary disruptions should be avoided, such as ringing cell phones, engagement in private conversations, and other unrelated activities. Cell phones, media players, or any noisy devices should be turned off during a class. Texting, web surfing, and posting to social media are generally not permitted. Laptop use may be permitted if it is used for taking notes or conducting class activities. Students should check with the instructor about permissible devices in class. IUPUI nurtures and promotes “a campus climate that seeks, values, and cultivates diversity in all of its forms and that provides conditions necessary for all campus community members to feel welcomed, supported, included, and valued” (IUPUI Strategic Initiative 9). IUPUI prohibits “discrimination against anyone for reasons of race, color, religion, national origin, sex, sexual orientation, marital status, age, disability, or veteran status” (Office of Equal Opportunity). Profanity or derogatory comments about the instructor, fellow students, invited speakers or other classroom visitors, or any members of the campus community shall not be tolerated. A violation of this rule shall result in a warning and, if the offense continues, possible disciplinary action.
3. **Communication:** For classroom-based courses, the instructor or teaching assistant should respond to emails by the end of the next class or, for online courses, within two Indiana University working days, which excludes weekends and holidays. The instructor should provide weekly office hours or accept appointments for face-to-face, telephone, or teleconferenced meetings, and announce periods of extended absence in advance.
4. **Counseling and Psychological Services (CAPS):** Students seeking counseling or other psychological services should contact the CAPS office at 274-2548 or capsindy@iupui.edu. For more information visit <http://life.iupui.edu/caps/>.
5. **Course evaluations:** Course evaluations provide vital information for improving the quality of courses and programs. Students are urged to complete one course and instructor evaluation for each section in which they are enrolled at the School of Informatics and Computing with the following exceptions: (a) The student has withdrawn from the course; (b) fewer than five students are enrolled in the section (in which case maintaining anonymity is difficult); and (c) the section is a laboratory that must be taken with a course having a different section number. Course evaluations are completed at <https://soic.iupui.edu/app/course-eval/>. Course evaluations are typically open from the eleventh week. Course evaluations are anonymous, which means that no one can view the name of the student completing the evaluation. In addition, no one can view the evaluation itself until after the instructor has submitted the final grades. In small sections, demographic information should be left blank, if it could be used to identify the student.



6. **Disabilities policy:** All qualified students enrolled in this course are entitled to reasonable accommodations for a disability. Notify the instructor during the first week of class of accommodations needed. Students requiring accommodations register with Adaptive Educational Services (AES) and complete the appropriate AES-issued before receiving accommodations. The AES office is located at UC 100, Taylor Hall (Email: [aes@iupui.edu](mailto:aes@iupui.edu), Tel. 317 274-3241). For more information visit <http://aes.iupui.edu>.
7. **Email:** Indiana University uses your IU email account as an official means of communication, and students should check it daily. Although you may have your IU email forwarded to an outside email account, please email faculty and staff from your IU email account.
8. **Emergency preparedness:** Know what to do in an emergency so that you can protect yourself and others. For more information, visit the emergency management website at <http://protect.iu.edu/emergency>.
9. **IUPUI course policies:** A number of campus policies governing IUPUI courses may be found at the following link: [http://registrar.iupui.edu/course\\_policies.html](http://registrar.iupui.edu/course_policies.html)
10. **No class attendance without enrollment.** Only those who are officially enrolled in this course may attend class unless enrolled as an auditor or making up an Incomplete by prior arrangement with the instructor. This policy does not apply to those assisting a student with a documented disability, serving in an instructional role, or administrative personnel. <http://registrar.iupui.edu/official-enrollment-class-attendance.html> Children may *not* attend class with their parents, guardians, or childcare providers.
11. **Religious holidays:** Students seeking accommodation for religious observances must submit a request form to the course instructor by the end of the second week of the semester. For information visit <http://registrar.iupui.edu/religious.html>.
12. **Right to revise:** The instructor reserves the right to make changes to this syllabus as necessary and, in such an event, will notify students of the changes immediately.
13. **Sexual misconduct:** IU does not tolerate sexual harassment or violence. For more information and resources, visit <http://stopsexualviolence.iu.edu/>.
14. **Student advocate:** The Student Advocate assists students with personal, financial, and academic issues. The Student Advocate is in the Campus Center, Suite 350, and may also be contacted at 317 274-4431 or [studvoc@iupui.edu](mailto:studvoc@iupui.edu). For more information visit <http://studentaffairs.iupui.edu/advocate>.

## MISSION STATEMENT

The Mission of IUPUI is to provide for its constituents excellence in

- Teaching and Learning;
- Research, Scholarship, and Creative Activity; and
- Civic Engagement.

With each of these core activities characterized by

- Collaboration within and across disciplines and with the community;
- A commitment to ensuring diversity; and

- Pursuit of best practices.

IUPUI's mission is derived from and aligned with the principal components—Communities of Learning, Responsibilities of Excellence, Accountability and Best Practices—of Indiana University's Strategic Directions Charter.

### **STATEMENT OF VALUES**

IUPUI values the commitment of students to learning; of faculty to the highest standards of teaching, scholarship, and service; and of staff to the highest standards of service. IUPUI recognizes students as partners in learning. IUPUI values the opportunities afforded by its location in Indiana's capital city and is committed to serving the needs of its community. Thus, IUPUI students, faculty, and staff are involved in the community, both to provide educational programs and patient care and to apply learning to community needs through service. As a leader in fostering collaborative relationships, IUPUI values collegiality, cooperation, creativity, innovation, and entrepreneurship as well as honesty, integrity, and support for open inquiry and dissemination of findings. IUPUI is committed to the personal and professional development of its students, faculty, and staff and to continuous improvement of its programs and services.