NEWM N205
Live Streaming: Beginner to Pro
Department of Human Centered Computing
Indiana University School of Informatics and Computing, Indianapolis
Summer 2021

Section No.:   14977   Credit Hours: 3
Time: Web-based Course
Instructor: Rodney Smith
Office Address: IT 420G, IT Building 535 W. Michigan St. Indianapolis, IN 46202
Office Phone: 317-278-7624
Office Hours: by appointment
Email Address: smithrom@iupui.edu or Canvas Email

COURSE DESCRIPTION
Introduction to live stream video techniques for digital media. Hardware, software, and streaming techniques are explored through lecture and projects. All phases of live streaming are addressed, from camera choices, quality audio, capture methods, multi-camera mixing, encoding, various platforms and websites, and search engine optimization.

Learning Outcomes:
- Demonstrate a working knowledge of the following: the video signal, camera operation, lighting techniques, audio streaming, interview techniques, basic visual composition and conventions.
- Understand the theory and current practices involved in successfully planning, shooting, editing and delivering a live stream.
- Pre-production: Develop ideas, planning, scripting, scheduling, and delivery requirements.
- Production: Understand various types of production, camera handling, framing, lighting, interview techniques, and sound recording.
- Post-production: Streaming platforms and SEO.
- Presentation: Demonstrate knowledge of exporting final video to specific media formats suitable for uploading to video streaming web sites.
- Analyze video in terms of effective delivery of information through successful production and post-production techniques.
- Participate as a member and/or leader of a video production team.

Principles of Undergraduate Learning (PUL):
This course design reflects IUPUI's Principles of Undergraduate Learning (PULs). Undergraduate students will experience a major emphasis on PUL 1 (Core Communication – oral presentation and writing), and a moderate emphasis on PUL 2 (Critical Thinking) and PUL 3 (Integration and Application of Knowledge). Others include:
- Intellectual depth, breadth, and adaptive thinking
- Understanding of society, tradition and culture
- Values and ethics

Required Textbooks:

No textbook required

Required Software and Other Materials:
- Pen and paper for taking notes and completing in-class tasks as assigned.
- Access to Microsoft Office, QuickTime (IUPUI provides access to this software.)
- Access to Lynda.com tutorials through SOIC at IUPUI.
- Access to Adobe Creative Cloud Suite (IUPUI provides access to this software.)
- Access to OBS software (Open source – free download)
- Access to various free platforms (Youtube, Facebook, vMix, Blackmagic, StreamShark, Zoom, Twitch, etc.)
- Internet connection for accessing Canvas, E-mail, and Lynda.com tutorials (provided to students through university)
- Smartphone or digital camera capable of recording audio and video.

Grading Information: Grade Breakdown

Weekly Assignment Completion = 300 points
Discussion Participation = 300 points
Final Project – Live Stream = 400 points

_____

Total Possible Points = 1000

Grade Scale

970 - 1000	= A+	930 - 969	= A	900 – 929	= A-
870 - 899	= B+	830 - 869	= B	800 - 829	= B-
770 - 799	= C+	730 - 769	= C	700 - 729	= C-
670 - 699	= D+	630 - 669	= D	600 - 629	= D-
0–599 =F					

Class Schedule (may be updated at any time)

	CLASS ACTIVITIES
1	Syllabus and general overview of semester. Live Stream Aesthetics
2	Live Stream Technology Overview
3	OBS Software Overview
4	Twitch & YouTube Streaming Setup
5	Run of Show
6	Promoting your Stream/SEO

EXPECTATIONS, GUIDELINES, AND POLICIES

Participation:

All assignments, discussions, projects, readings and interactive lectures must be completed by the deadlines supplied.

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., labs, assignments, quizzes) by its deadline and submitting it by the specified method. There are no makeups; if you miss the deadline; you lose the points. Deadlines are outlined in the syllabus or in supplementary documents accessible through Canvas. Should you miss a class, you are still responsible for completing the deliverable and for finding out what had been covered in class, including any new or modified deliverable.

Equipment

Microsoft word, Adobe CC Suite. All software provided by IUPUI. (You will not need to purchase any software).

3

- Access to a computer for writing and editing
- Digital camera or phone camera
- Notepaper or laptop for taking notes in class. A computer is the core productivity tool for technology-based learning. The portability of a laptop computer is desirable but not required for this course. Each student should begin making plans for this addition to one's learning resources. Either a PC or Mac platform is acceptable. Further information can be obtained through our technology services office and Kim Melluck at kmelluck@iupui.edu. IUPUI has information through UITS on computer purchasing to help meet this need.

Communication

All class documents, including the syllabus and assignments, will be posted on Canvas. Feel free to email me at any time with questions or concerns.

Class Format

Our time in the course will combine lecture, demonstration, and lab exercises.

Homework

All assignments will be discussed during class and posted on Canvas.

Workload

This class will include a number of homework assignments designed to reinforce the concepts presented in class. As you budget your time for the semester, you should anticipate spending several hours per week to finish and refine your assignments and final project.

Principles of Undergraduate Learning (PUL)

This class focuses on the following learning outcomes:
- Oral presentation
- Writing skills
- Critical thinking
- Application of knowledge
- Intellectual depth, breadth, and adaptive thinking
- Understanding of society, tradition and culture
- Values and ethics

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

- Teaching and Learning
- Research, Scholarship, and Creative Activity
- 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

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.

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.

5

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: Students 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

6

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. 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

2. Classroom 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, surfing the Internet, and posting to Facebook or Twitter during class 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. 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.

4. Bringing children to class: To ensure an effective learning environment, children are not permitted to attend class with their parents, guardians, or childcare providers.

5. Disabilities Policy: In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to reasonable accommodations. Please notify the instructor during the first week of class of accommodations needed for the course. Students requiring accommodations because of a disability must 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, Tel. 317 274-3241). Visit http://aes.iupui.edu for more information.

6. Administrative Withdrawal: A basic requirement of this course is that students 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, it is the student's responsibility to 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

7

implications. Administrative withdrawal will take place after the full refund period, and a student who has been administratively withdrawn from a course is ineligible for a tuition refund. Contact the instructor with questions concerning administrative withdrawal.

7. Emergency Preparedness: Safety on campus is everyone's responsibility. Know what to do in an emergency so that you can protect yourself and others. For specific information, visit the emergency management website. http://protect.iu.edu/emergency

Student Learning Outcomes

Upon completion of this course:	Revised Bloom's Taxonomy	Principle(s) of Undergraduate Learning	Assessment
1. Understanding design issues related to digital media and technology, including social media	2,5,6	PUL 5,6	Project 1-3, Final Project Midterm Exam Final Exam
2. Understanding the basics of digital design including: perspective drawing, working with grids, composition, typography, color theory, media and multimedia using digital application's Adobe Illustrator and Photoshop.	1, 2, 3, 4, 5	PUL 1,3, 4	Project 2-3, Final Project Midterm Exam Final Exam
3. Development of communication analytical and critical thinking skills.	2,3,5,6	PUL 2	Project 1-3, Final Project