

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



**SAULT
COLLEGE**

COURSE OUTLINE

COURSE TITLE:	Cinematography and Lighting		
CODE NO. :	FPD121	SEMESTER:	2
PROGRAM:	Digital Film Production		
AUTHOR:	Colin Crowell		
DATE:	January 2016	PREVIOUS OUTLINE DATED:	Dec 2015
APPROVED:	"Colin Kirkwood"		Jan/16
	_____		_____
	DEAN		DATE
TOTAL CREDITS:	3		
PREREQUISITE(S):	College and program admission requirements		
HOURS/WEEK:	3hr/week		

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I. COURSE DESCRIPTION:

This course will build on the Cinematography and Lighting principles and fundamentals introduced in the Production 1 class. Students will examine camera movement styles in popular films and learn how to emulate these styles with appropriate equipment (Steadicam, dolly, jib). Intermediate and advanced lighting tools and techniques will be explored, such as using a light meter, practical lighting, light controls (flags, silks, gels), and the challenges of shooting outdoors. Students will get practical, hands-on experience with camera support equipment and lighting packages.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Capture professional quality moving images using the appropriate lighting techniques and equipment.

Potential Elements of the Performance:

- understanding and use of the inverse square law
- metering
- use of 5 lighting positions
- Use of lighting modifiers
- use of continuous light sources
- use of reflectors and diffusers indoors and outdoors
- use of color gels for balancing and contrasting a scene
- lighting of various framings, tight to wide establishing shots.
- change lighting ratio and light quality(hard/soft) for mood
- use of gobos

Students will take part in workshops that will cover composition, camera work, lighting, shooting styles and techniques.

Students will demonstrate this knowledge by participating in hands on/lab demos, quizzes and submitted projects.

2. Communication

Potential Elements of the Performance:

Communicate clearly, concisely, and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. Respond to written, spoken, or visual messages in a manner that ensures effective communication

Students will have to communicate effectively with their team, to efficiently light and shoot their scenes/assignments.

3. Numeracy

Potential Elements of the Performance:

Execute mathematical operations accurately

Students will learn lighting principles such as the Inverse Square Law and calculating Stops of Light.

4. Information Management

Potential Elements of the Performance:

Locate, select, organize and document information using appropriate technology and information systems and analyze, evaluate and apply relevant information from a variety of sources

Students will have to organize and plan for their productions and manage their digital files through post

5. Critical Thinking and Problem Solving

Potential Elements of the Performance:

Apply a systematic approach to solve problems use a variety of thinking skills to anticipate and solve problems

Students will complete post assessments of their productions to describe issues that presented themselves and how they solved them

6. Inter-Personal

Potential Elements of the Performance:

Show respect for the diverse opinions, values, belief systems, and contributions of others

Students will have to successfully complete short productions by working with a team

7. Personal

Potential Elements of the Performance:

Manage the use of time and other resources to complete projects
take responsibility for one's own actions, decisions and consequences

Students will be expected to complete all projects and defend their work

8. Capture professional quality footage using the appropriate camera techniques and equipment

Potential Elements of the Performance:

- Proper understanding and use of steady cam
- Proper understanding and use of C100
- Proper understanding and use Dolly
- Proper understanding and use of aperture for DOF
- Proper understanding and choices of lens for different feels and compositions.
- Good understanding of compositional guidelines demonstrated in the assignments
- Proper understanding and use of camera settings such as ISO, WB, Shutter speed, frame rate, focus, autofocus, exposure visualizers.
- Proper understanding and use of storyboards and visual references
- Proper understanding and use of B-roll footage and angles
- Proper understanding and use of movement in your frames.
- Proper demonstration of scouting for an appropriate location for a scene.

Students will take part in workshops that will cover composition, camera work, lighting, shooting styles and techniques.

Students will demonstrate this knowledge by participating in hands on/lab demos, quizzes and submitted projects.

III. TOPICS:

1. Portrait lighting positions, Camera introduction, Wide vs. Long lens. Metering
2. Lighting Ratios and Hard vs. Soft Light. Metering
3. Full Scene Lighting
4. Focus Techniques
5. Interaction scene (interview, conversation, interaction).
6. Mixing Ambient and Introduced Light (artificially lit space)
7. Mix Ambient and Window Light
8. Movement, Large Light Pocket
9. Movement, Dolly Camera, Lighting Transitions.
10. Creating Lighting Pockets For Movement
11. Sculpted Light/Film Noire
12. Outdoors: Find/make Shade, Add Reflector Key
13. Outdoors: Cross lighting, ND Filter, Movement outdoors.
14. Overcast, underexpose and add light. Subtractive lighting.
15. Night

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Handouts will be provided.

V. EVALUATION PROCESS/GRADING SYSTEM:

All assignments = 100% of the grade.

Students must complete all assignments to achieve credit for the course.

There will be 5 assignments worth 12% each. There will be in class assignments for the remainder of the mark in this class.

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. SPECIAL NOTES:

Attendance & Lates

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

- Feature film and television series- Work placement opportunities during the school year are based on faculty approval/discretion.
- Students who miss regular classes for these opportunities are expected to complete all course assignments and tests, which are to be delivered at a time agreed upon with the instructor. It is the student's responsibility to ensure they are informed of the content for the classes they miss.
- Attendance will be taken 5 minutes after every class begins; students who are not present at this time will be considered late/absent for that class
- Any student(s) who leave while there is still 30 minutes or more left in the class will be considered late/absent for that class
- Any student(s) who return late from class breaks will be considered late/absent for that class. The typical duration for a class break will be 10 minutes, unless otherwise specified by the instructor.
- Absenteeism/tardiness will be considered of equal value when mark demerits are calculated
- All students will be given **TWO** "free" passes for absents or lates. After that, they will be deducted 1% from their class "Professionalism" grade, which is worth 10% of the final class mark.

Tests/Quizzes

- All tests/quizzes will be taken in class at a predetermined time
- There will be no retake opportunities for in class tests and quizzes
- The quiz with the lowest grade will be omitted from the final grade calculation

Assignments/Projects

- A project/assignment will be considered “submitted” only if it meets all the requirements specified in the project outline, which is to be made available to students when the project is assigned
- All class assignments/projects will be submitted through a pre-determined LMS dropbox, specific to the project and class in question. All submissions are thereby time-stamped by the school’s system clock upon upload
- Unless otherwise specified, all assignments/projects will be due at the end of the day (11:59pm) on the date they are due
- Zero-tolerance late policy for all written assignments: Any assignment handed in after the predetermined date and time will automatically receive a grade of 0%. The LMS dropbox time-stamp will be referred to determine the submission time
- Late policy for film productions: 25% deduction per day after due date

VII. COURSE OUTLINE ADDENDUM:

1. Course Outline Amendments:
The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.
2. Retention of Course Outlines:
It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.
3. Prior Learning Assessment:
Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question. Please refer to the Student Academic Calendar of Events for the deadline date by which application must be made for advance standing.

Credit for prior learning will also be given upon successful completion of a challenge exam or portfolio.

Substitute course information is available in the Registrar's office.

4. **Accessibility Services:**
If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Accessibility Services office. Visit Room E1101 or call Extension 2703 so that support services can be arranged for you.
5. **Communication:**
The College considers Desire2Learn (D2L) as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of this Learning Management System (LMS) communication tool.
6. **Academic Dishonesty:**
Students should refer to the definition of “academic dishonesty” in Student Code of Conduct. Students who engage in academic dishonesty will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.
7. **Tuition Default:**
Students who have defaulted on the payment of tuition (tuition has not been paid in full, payments were not deferred or payment plan not honoured) as of the first week of November (fall semester courses), first week of March (winter semester courses) or first week of June (summer semester courses) will be removed from placement and clinical activities due to liability issues. This may result in loss of mandatory hours or incomplete course work. Sault College will not be responsible for incomplete hours or outcomes that are not achieved or any other academic requirement not met as of the result of tuition default. Students are encouraged to communicate with Financial Services with regard to the status of their tuition prior to this deadline to ensure that their financial status does not interfere with academic progress.

8. **Student Portal:**
The Sault College portal allows you to view all your student information in one place. mysaultcollege gives you personalized access to online resources seven days a week from your home or school computer. Single log-in access allows you to see your personal and financial information, timetable, grades, records of achievement, unofficial transcript, and outstanding obligations, in addition to announcements, news, academic calendar of events, class cancellations, your learning management system (LMS), and much more. Go to <https://my.saultcollege.ca>.

9. **Recording Devices in the Classroom:**
Students who wish to use electronic devices in the classroom will seek permission of the faculty member before proceeding to record instruction. With the exception of issues related to accommodations of disability, the decision to approve or refuse the request is the responsibility of the faculty member. Recorded classroom instruction will be used only for personal use and will not be used for any other purpose. Recorded classroom instruction will be destroyed at the end of the course. To ensure this, the student is required to return all copies of recorded material to the faculty member by the last day of class in the semester. Where the use of an electronic device has been approved, the student agrees that materials recorded are for his/her use only, are not for distribution, and are the sole property of the College.