

DFVB 133 Lighting for Digital Film - Section A

Summer 2019

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Please note:

The instructor may revise the contents of this course outline during the quarter. Changes may be made to facilitate the students' achievement of the competencies for the course.

DFVB 133 - Section A

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COURSE DESCRIPTION

Students will be introduced to the basic concepts and principles of lighting for cinematography. Fundamentals of utilizing and controlling both natural and studio lighting with emphasis on the quality, quantity, and direction and its effect on the photographic image will be the focus.

Prerequisite: DFVB 103 Fundamentals of Video Production **Credits:** 4.0 Credits

***Please note:** You must have earned a passing grade in the prerequisite class. If you are registered for this class but do not have a passing grade in the prerequisite course, it is your responsibility to contact the department chair or academic advisor to make the necessary changes to your schedule during the schedule adjustment period at the start of the quarter.*

OBJECTIVES

Upon successful completion of the course, the student should be able to:

Use light measuring devices

- Use a light meter to determine exposure and lighting ratios
- Read histograms to determine exposure and color balance

Implement lighting techniques for multiple lighting scenarios

- Use grip equipment
- Use appropriate lighting sources
- Factor proper color temperature

Demonstrate lighting skills in the studio and on location

- Balance mixed lighting sources
- Determine appropriate source to enhance subject texture and detail
- Utilize available and natural light
- Employ tools to manipulate light
- Utilize light meters to determine exposure
- Identify and relate fundamental physical aspects of light, particularly those related to wavelength and methods of propagation
- Use lighting levels as a tool for achieving the desired depth of field (selective focus and deep focus)
- Utilize lighting as a narrative device

COURSE INFORMATION

Textbook

No Textbook Required

Supplemental Materials

- Thick leather gloves & a pair of rubber sole shoes to be worn during Lab classes

Technology

- Video production equipment including cameras, tripods, and lighting equipment

Course On-line

Access from <http://myaicampus.com>

Room/Time

Class/Lab	Day/Time	Room
Lecture	Tuesday 10:00am – 11:50 am	336
Lab	Thursday 8:00am – 11:40 am	460A

Instructor

Name:	Richard King
Office/Phone:	Room 300 770-689-5133
Email:	rking@aii.edu
Office hours:	Monday 11:00 am - 12:00 pm & 2:00pm - 3:00pm Room 300 Wednesday 11:00 am - 12:00 pm & 2:00pm - 3:00pm Room 300

GRADING

The final grade will be based on the following scheduled activities, assignments, quizzes, homework, exams, projects:

Activities (Weekly Participation, Field Trips, etc.)

Activity	%
Professionalism	20

Assignments

Assignment	%
Exercise #1	7.5
Exercise #2	7.5
Exercise #3	7.5
Exercise #4	7.5

Quizzes & Exams

Quiz/Test	%
Quiz #1	6
Quiz #2	6
Quiz #3	6
Quiz #4	6
Final Exam	26

Total	100
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Grading Scale

%	Grade
93-100	A
90-92	A-

%	Grade
87-89	B+
83-86	B
80-82	B-

%	Grade
77-79	C+
73-76	C
70-72	C-

%	Grade
65-69	D+
60-64	D

%	Grade
0-59	F
0-59	UF*

**Ai Unearned F (UF) Grade Definition*

Unearned F Grade: students who failed the course AND did not complete the final assignments in the course. Final assignment includes, but is not limited to a final exam, final project, final paper, portfolio presentation, capstone project or any other assignment due in the last week of the course. If a student completed some or all of the other requirements in the course but did not complete the final assignment of the course and failed the course, the F grade will be considered unearned. An unearned F grade will be reflected as a “UF” grade on the transcript. The course’s instructor will award this grade when appropriate.

SUBMITTING ASSIGNMENTS

- Quizzes and the Final Exam will be administered in class.
- Class Exercises are done during the lab class.
- **Once the first person finishes a quiz or exam no one arriving to class after that time will be able to take the test or exam.**

ATTENDANCE POLICY

DFVP ATTENDANCE POLICY:

20% of your grade is based on class attendance, professionalism and timely participation. **You will get a class Professionalism grade each week starting in Week 2.** See the Student Grading table. Each unexcused absence will result in a professionalism deduction, and this will ultimately affect your final course grade. Excusing absences for emergency will be at the instructor's discretion.

AiATLANTA ATTENDANCE POLICY:

- The Art Institute of Atlanta Campus is committed to learning-centered, hands-on instruction, which can only be accomplished when students attend class. There are no excused absences. The satisfactory explanation of an absence does not relieve the student from responsibility for the course work assigned and/or due during his/her absences. A student who does not attend class during the first week of school or starts late is still held responsible for his/her absences.
- A student who is absent for *three cumulative weeks* will be withdrawn from the course and will receive a Withdrawal (W) grade during weeks 1 through 9 of an 11 week term and a Withdrawal/Fail (W/F) grade after week 9 of an 11 week term for that course (after week 4 of a 5.5 week Mid-quarter ground term) unless the student submits an appeal to remain in class that is accepted by the instructor and department director/dean. For example,

For classes that meet once a week, students will be withdrawn after the third absence in the class.

For classes that meet twice a week, students will be withdrawn after six absences in the class.

- A student is allowed only one appeal per class. In other words, if a student submits an appeal and it is approved, the next absence will initiate a non-appealable withdrawal from the course. The Attendance Appeal Request Form may be found in the Registrar's Office.
- It is your responsibility to stay in communication with your instructor about absences in order to stay current with assignments. If you are dropped from the class and you have a documented mitigating circumstance, you may have the opportunity to appeal. It is your responsibility to ensure that your attendance in class is brought to the faculty member's attention if you arrive late.
- Students who are not marked present in any of their scheduled classes for fourteen (14) consecutive calendar days before the end of the ninth week of the 11 week term (week 4 of a 5.5 week Mid-quarter ground term), will be withdrawn from the Institute and will receive W's (withdrawals, with no grade penalty), or if the withdrawal occurs after the end of the ninth week of an 11 week term (after week 4 of a 5.5 week Mid-quarter ground term) students will be withdrawn from the Institute and will receive WF's (Failures due to late withdrawal). Calendar days include days that the student does not have any scheduled class. All calendar days that the school is not in session (e.g., school closings and holidays) do not count in the fourteen (14) calendar days as well during the active term. Students who have been withdrawn due to violation of the consecutive absence policy, but are still in good academic standing, if otherwise eligible, will be able to return the following term through the normal readmissions process. Students who have been withdrawn and the withdrawal results in a violation of the satisfactory academic progress policy (SAPP) must follow the procedure for appealing the academic dismissal.
- Students are encouraged to make all schedule changes early in the first week of the quarter to minimize absences. Failure to sit in all classes during the first two weeks of school will result in termination from school for the quarter. Detailed information about scheduled adjustment periods can be found on the back of your official schedule or in the local Ai campus catalog.
- If you are going to miss class, regardless of the reason, you should notify your instructor. You are responsible for gathering any information from the missed class period in a timely manner.

ACADEMIC HONESTY

As a member of the academic community, students are expected to recognize and uphold standards of intellectual and academic integrity. Under all circumstances, students are expected to be honest in their dealings with faculty, administrative staff, and fellow students. In speaking with any member of the college community, students must give an accurate representation of the facts at hand. Students are required to refrain from any and all forms of dishonorable or unethical conduct related to academic work. In class assignments, students must submit work that fairly and accurately reflects their level of accomplishment. Any work that is not the product of the student's own efforts is considered dishonest. Engaging in academic dishonesty can have serious consequences for the students.

Academic dishonesty includes, but is not limited to, the following:

- Cheating
- Plagiarism
- Submission of the same work in two or more classes without prior approval of the course faculty involved.
- Submission of any work (full or partial) not actually produced by the student.
- Submission of any work without clear acknowledgment (reference/credit) of the original author or creator of work.

Students proven to have been dishonest in submitting or presenting their work in this class will receive the F (fail) grade for the class. Record of this incident will also be kept in the student's file. If such an incidence occurs and you would like to file a written appeal, you may do so with the director of the department.

SATISFACTORY ACADEMIC PROGRESS POLICY (Effective - 1/9/17)

The Satisfactory Academic Progress Policy (SAP) ensures that all students are maintaining satisfactory academic progress towards successful completion of their academic programs. The evaluation points and milestones contained in the policy are meant to identify problems for which actions of early intervention and/or remediation can be taken. Most critical to this policy is a student's ability to enroll in and complete courses in a consistent and successful manner. This ability is measured in three ways: cumulative grade point average (CGPA) and incremental completion rate (ICR) within a maximum timeframe (MTF).

A student must demonstrate Satisfactory Academic Progress by successfully completing courses attempted. Completing courses with *C* or better grades indicates academic progress. Receiving *D* or lower grades and/or withdrawing from classes may put students at risk. Poor academic performance may lead to Academic/Financial Warning and/or Academic/Financial Aid Dismissal. It is very important that students attend all registered courses and complete them successfully. Should a compelling reason arise that requires a student to cease attendance, it is the student's responsibility to immediately contact the Dean of Academic Affairs or Registrar's Office.

The following criteria are used to determine whether or not a student is making Satisfactory Academic Progress. A student must be able to:

- Maintain a minimum cumulative grade point average (CGPA);
- Achieve the minimum incremental completion rate (ICR); and
- Complete the program within a maximum allowable timeframe (MTF).

Students who fail to meet the minimum standards of any of the above criteria will be notified by letter by the Dean of Academic Affairs or Campus Registrar within four (4) business days of determination. Administrative actions will be taken when a student fails to meet the minimum standards of any of the above criteria. If the resulting action results in Academic/Financial Aid Dismissal, a student may appeal the Academic/Financial Aid Dismissal. If the appeal is denied, the student will remain dismissed and can no longer attend or receive Title IV aid at the Institute.

The Satisfactory Academic Progress Policy contains the following information:

- Criteria for Honors Designations
- Milestones and Evaluation Points for Satisfactory Academic Progress
- Academic/Financial Aid Warning
- Procedure for Appealing Academic/Financial Aid Dismissal
- Procedure to Apply for Re-Entry after Academic/Financial Aid Dismissal
- Academic/Financial Aid Probation and an Academic Plan
- Explanations of Related Issues

Failure to complete courses successfully for any reason may negatively affect a student's Satisfactory Academic Progress (SAP) and are considered to be punitive grades. Failing courses, being suspended or terminated from courses, or withdrawing from courses could result in the loss of financial aid and/or veterans' education benefits and academic dismissal. In order for a student to graduate, the minimum requirements are a CGPA of 2.0, 66.67% ICR, and completion of the program without attempting more than 150% of the credits in the program. Refer to the Metrics of SAP section below for additional information regarding the calculation of CGPA, ICR and MTF.

While the terms Academic/Financial Aid Warning, Academic/Financial Aid Dismissal, and Academic/Financial Aid Probation are used, the status applies to all students whether receiving aid or not. The College has the right to modify the Satisfactory Academic Progress Policy at any time.

CERTIFICATE/DIPLOMA		
Evaluation Point	Milestones (CGPA and ICR)	Required Action
End of First Quarter	< 1.0 and/or 33.33%	Academic/Financial Aid Warning
End of Second Quarter	< 1.5 and/or 50.00%	Academic/Financial Aid Warning (if 1st time)/Academic/Financial Aid Dismissal (if on Academic/Financial Aid Warning)
End of Third Quarter and every quarter thereafter	< 2.0 and/or 66.67%	Academic/Financial Aid Warning (if 1st time)/Academic/Financial Aid Dismissal (if on Warning)
At Any Time	Anything in excess of 150% MTF	Academic/Financial Aid Dismissal

DEGREE PROGRAMS		
Evaluation Point	Both Milestones (CGPA and ICR) Must be Met	Required Action
End of First Academic Year	< 1.00 and/or 33.33%	Academic/Financial Aid Dismissal
End of Second Academic Year	< 2.00 and/or 66.67%	Academic/Financial Aid Dismissal
End of Seventh Quarter and Thereafter	< 2.0 and/or 66.67%	Academic/Financial Aid Warning (if 1st time)/Academic/Financial Aid Dismissal (if on Academic/Financial Aid Warning)
At Any Time	Anything in excess of 150% MTF	Academic/Financial Aid Dismissal

TRANSITIONAL STUDIES

Transitional Studies Courses are based on the results of an academic placement test which is administered before new students start school. If students do not test out of these classes and do not have prior college credits that waive the requirement(s), students must successfully complete transitional classes in order to progress in their respective programs. Transitional studies course credits do not count towards total number of credits for graduation, CGPA, ICR, nor maximum timeframe (MTF). Failing or withdrawing from a transitional studies course three times will result in Academic/Financial Aid Dismissal. It is highly recommended that students do not take a break between failures of a transitional course.

The grades, GPA and cumulative data for all courses a student attempted at the institution as well as courses successfully transferred in from prior postsecondary education are available on the student portal for student review. There is also an indication if a student is on Academic Warning/Financial Aid Warning or Academic Probation/Financial Aid Probation or is terminated.

THE ACADEMIC SUPPORT CENTER (ASC)

THE ACADEMIC SUPPORT CENTER

Students experiencing difficulties in any course should seek help in The Academic Support Center (ASC). Free tutoring and individualized instruction are available to all students in subject areas including, but not limited to, Adobe Creative Suite, algebra, art history, English (or help in English as needed for any course requiring writing), math 115, geometry, ideas of mathematics, psychology, science of light and science of sound. Specialized tutors are also available by appointment to help with other programs such as MAYA, lightroom, audio applications, etc. **The ASC is located in Building 100, Room 252, and is open Mon.-Thurs. from 10 am - 6 PM. Stop by to schedule an appointment or call 770.689.4947. "Drop-ins" will also be accommodated whenever possible.**

STUDENTS WITH DISABILITIES

The Art Institutes provide accommodations to qualified students with disabilities. The Office of Disability Support Services assists all qualified students with disabilities in acquiring reasonable and appropriate accommodations and in supporting equal access to services, programs and activities at The Art Institutes.

Students who seek reasonable accommodations should notify the Office of Disability Support Services via email at _aidisabilityservices@aia.edu of their specific limitations and, if known, their specific requested accommodations. Students will be asked to supply medical documentation of the need for accommodation(s). Classroom accommodations are not retroactive, but are effective only upon the student sharing approved accommodations with the instructor. Therefore, students are encouraged to request accommodations as early as feasible with The Office of Disability Support Services to allow for time to gather necessary documentation. If you have a concern or complaint in this regard, please contact the Regional Dean of Student Life for your campus. Complaints will be handled in accordance with the school's Internal Grievance Procedure for Complaints of Discrimination and Harassment.

Once you have an approved accommodation letter, please give two copies to your instructor and communicate with him/her on a regular basis.

SCHEDULE

Date		Room/ Location	Reading for Class	Assignments Due	Topic/Activity
Wk1	Tues 7/9	336			Class introduction - fstops - shutter speed ISO - frame rates - over cranking - basic electricity
	Thurs 7/11	460A			Lens choices - basic electricity part 2 - scouting a location
Wk2	Tues 7/16	336			Light intensity - inverse square rule - depth of field
	Thurs 7/18	460A			Camera review (HMC 80) - Discuss Quiz #1 content
Wk3	Tues 7/23	336		Take Quiz #1	Fresnel vs. Open Face (structural) - Wattage (electrical) - Color Temperature (Kelvin)
	Thurs 7/25	460A		Exercise #1	Basic Camera Exercise - Discuss Quiz #2 content
Wk4	Tues 7/30	336		Take Quiz #2	Lighting & grip departments - Diffusion - Neutral Density filters
	Thurs 8/1	460A			Review Arri & Mole Richardson tungsten light kits - Review grip equipment
Wk5	Tues 8/6	336			Three point lighting - onside vs. offside key light
	Thurs 8/8	460A		Exercise #2	Creating Mood with One Light - Discuss Quiz #3 content
Wk6	Tues 8/13	336		Take Quiz #3	Color temp readings around school and CTOs & CTBs
	Thurs 8/15	460A		Exercise #3	CTOs & CTBs
Wk7	Tues 8/20	336			Shooting a scene and basic coverage
	Thurs 8/22	460A			Review HMI & Kino Flo lights
Wk8	Tues 8/27	336			Film excerpt: <i>Visions of Light</i> - Discuss Quiz #4 content
	Thurs 8/29	460A		Take Quiz #4	Quiz #4 in the Studio (room 450)
Wk9	Tues 9/3	336			Film: <i>Cinematographer Style</i>
	Thurs 9/5	460A		Exercise #4	The Studio Grid

Date		Room/ Location	Reading for Class	Assignments Due	Topic/Activity
Wk 10	Tues 9/10	336		Take Quiz #5	Final Exam Review
	Thurs 9/12	460A		Extra Credit	Creating the Hitchcock Zoom effect (extra credit)
Wk 11	Tues 9/17	336			FINAL EXAM
	Thurs 9/19	TBD			PLEASE ATTEND PORTFOLIO SHOW