

## **VFX 200 - Introduction to Visual Effects - Winter 2018**

**Brian Mellen**

**bmellen@cdm.depaul.edu**

**Office hours: W 4:45pm to 6:15pm - By Appt. Only**

**Office Hours Location: DePaul Center C106C**

### **Course Information:**

Course Code: VFX200

Course Title: Introduction to Visual Effects

Prerequisites: None

Term: Winter 2018

Section: 501

Class Hours: Wednesdays 1:30pm to 4:45pm

Location of Class: DePaul Center C106C

### **Summary of Course:**

VFX 200 is an introductory course to the the use, history, and production methodologies of visual effects. Fundamental techniques will be explored through compositing exercises and projects.

Using Adobe Photoshop and After Effects, students will gain an understanding of what goes into creating a digital composite. Beginning with still images in Photoshop and transitioning to video in After Effects, students will learn how to create and assemble their own digital composites through a series of projects throughout the quarter.

The class is an introductory course, but by the end of the quarter, students will have a solid foundation in Photoshop and After Effects as well as the basics of Digital Compositing. Students will also be able to apply some of the knowledge gained in class to their own personal projects and transition to the more intermediate/advanced concepts presented in **VFX 374/474** and **VFX 378/478** in future quarters. These are the objectives of the course.

*\* Syllabus is subject to change*

### **Learning Outcomes:**

In **VFX 200**, students will:

1. Discuss the structure and business practices of the visual effects industry.
2. Analyze historical and contemporary uses of visual effects in film.
3. Critique visual effects content.
4. Compose shots for visual effects.
5. Navigate a compositing software application.
6. Produce simple composited shots to established specifications.

**Required textbooks and printed resources:**

After Effects Apprentice, Third Edition, Meyer & Meyer, Focal Press/Taylor & Francis Group, 2012. ISBN: 978-0240817361

**Or Lynda.com course:**

After Effects Apprentice with Chris Meyer

**Recommended text:**

Adobe Photoshop CS6: Classroom in a Book

**Readings:**

1. The VES Handbook of Visual Effects, Chapter 1 "Introduction
2. The Art and Science of Digital Compositing, Chapter 2 "Learning to See."
3. The Visual Effects Producer, Chapter 2 "Digital Effects: The 15 Minute Version."
4. The Visual Effects Producer, Chapter 3 "Who You Gonna Call: The VFX Team."
5. The Art and Science of Digital Compositing, Chapter 3 "The Digital Representation of Visual Information."

**Software:**

Adobe After Effects CC

**Required Supplies:**

DC majors should have their own external drive for their project work for this and other VFX/DC classes. The University cannot guarantee that media or projects left on lab computers will be safely maintained. Non-majors should at least have some sort of other external or flash drive big enough to store their work.

**Drop Dates:**

Tuesday, Jan. 9: Last day to add (or swap) classes

Monday, Jan. 15: Last day to drop classes with no penalty

Tuesday, Jan. 16: Grades of "W" assigned for classes dropped on or after this day

Monday, Feb. 19: Last day to withdraw from class

**Grading:**

Attendance & Participation	15%
Quizzes	10%
Assignments	30%
VFX Sequence Presentation	10%
Midterm	15%
Final Project	20%

**LATE WORK WILL NOT BE ACCEPTED.****Grading Scale:**

A = 100-93, A- = 92-90, B+ = 89-87, B = 86-83, B- = 82- 80, C+ = 79-77, C = 76-73, C- = 72-70, D+ = 69-67, D = 66-63, D- = 62-60, F = 59-0.

A indicates excellence, B indicates good work, C indicates satisfactory work, D work is unsatisfactory in some respect, F is substantially unsatisfactory work

**Student responsibilities:**

Each student is responsible for their time management and for meeting the expectations in the syllabus. The instructor is not responsible for reminding students of assignment deadlines in class. In the event of an absence, it is the student's responsibility to contact the instructor for an assignment sheet detailing any homework. If an assignment is listed on the syllabus, you are still responsible for completing the assignment on time.

**Also, all hard drives fail and one point or another. Make sure you backup your projects at least twice for this class and all future projects.** If your hard drive fails and you didn't backup your project, no extensions will be given. No accommodations are typically made in the real world for lack of preparation and in order to prepare you for the job market, no accommodations will be made in this course for lost data.

**Deadlines:**

Video production requires strict adherence to deadlines, therefore late assignments will not be accepted for grading and written feedback will be given at the instructors discretion. You will not be eligible for an A in the class unless you turn in all assignments on time.

**Attendance & Participation:**

This course demands class participation - attendance is mandatory. Students arriving more than 15 minutes late, or leaving before class is dismissed will be considered absent. If you have more than two unexcused absences, a one letter deduction for each absence after the first two absences will be taken from your final course grade. Excessive tardiness will also be penalized.

**Quizzes:**

Quizzes spread throughout the quarter will be given to students to test their knowledge of what they retained from coming to class. Some will be multiple choice and T/F while others will test your abilities in the software we use.

**Midterm:**

The Midterm will consist of multiple choice and true/false questions based on material covered in class lectures, quizzes, and readings. Student will be allowed one sheet of notes (front side only) for the Midterm.

**Online Course Evaluations:**

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

**Academic Integrity and Plagiarism:**

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/>. If you have any questions be sure to consult with your professor.

## **Academic Policies:**

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment, withdrawal, grading and incompletes can be found at: [cdm.depaul.edu/enrollment](http://cdm.depaul.edu/enrollment).

## **Students with Disabilities:**

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at: [csd@depaul.edu](mailto:csd@depaul.edu).

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.7296

## **Content Changes:**

Depending on time factors, the assignments projected for the term may require slight alteration or rescheduling.

## **CLASS SCHEDULE**

*\* Syllabus schedule is subject to change*

### **Week One - 01/03**

Course overview, What are Visual Effects, Learning to See, Forced Perspective, Intro to Photoshop

**ASSIGNMENT #1 (01/10 DUE):** Using the principles of forced perspective, take a still photo and make something (person or object) look bigger or smaller than it actually is. You can use whatever camera you can get your hands on. This is an in-camera trick. Upload a JPEG to D2L.

Use the naming convention **Lastname\_VFX200\_assn1**. Points will be deducted for not following the correct naming convention or not using the correct compression.

**Readings:** *The VES Handbook of Visual Effects, Chapter 1 "Introduction"; The Art and Science of Digital Compositing, Chapter 2 "Learning to See"*

## **Week Two - 01/10**

Image Generation, Photoshop Masking and Selections, Photoshop Demo (Clones), Photography Basics

**ASSIGNMENT #2 (01/17 DUE):** Take four different pictures of the same shot. One should be a blank plate and the other three should be pictures of yourself positioned in different parts of the frame. Splice all four together in Photoshop to make it look like there are three different versions of yourself in the same shot. Upload a JPEG to D2L.

Use the naming convention **Lastname\_VFX200\_assn2**. Points will be deducted for not following the correct naming convention or using the correct compression.

## **Week Three - 01/17**

Video Compression, Advanced Photoshop Masking and Selections, Filters

**ASSIGNMENT #3 (01/31 DUE):** Find a **LARGE** picture on Google images that has a definite foreground, middle ground, and background and cut it apart using Photoshop. Separate it into three layers so that there's a foreground, middle ground, and background. Save as a .psd file. Import the .psd file into After Effects and use the transform properties to give the illusion that a camera is dolly parallel to the still image. The animation should be five seconds in length. Render as 720 x 480 in **H.264** and upload the video to D2L.

Use the naming convention **Lastname\_VFX200\_assn3**. Points will be deducted for not following the correct naming convention or using the correct compression.

**Readings:** *The Visual Effects Producer, Chapter 2 "Digital Effects: The 15 Minute Version"*

**Lynda.com:** 01: Pre-Roll, 02: Basic Animation (Book Chapters: Pre-Roll, Lesson 1 - Basic Animation)

## **Week Four - 01/24**

Film formats: Media, Resolution, and Aspect Ratios, Introduction to After Effects, Basic Animation, Parallax Demo, Rendering

**Readings:** *VES Handbook Chapter 1; "Confessions of a Roto Artist"*

## **Week Five - 01/31**

Intro to Masks, Layer Control

**ASSIGNMENT #4 (02/14 DUE):** You will be given several options to choose from for this assignment to create an interesting composite. More details will be given in class. Render at whatever resolution your camera uses and upload the video to D2L as **H.264**.

Use the naming convention **Lastname\_VFX200\_assn4**. Points will be deducted for not following the correct naming convention or using the correct compression.

**Lynda.com:** 04: Layer Control, 05: Creating Transparency (Book Chapters: Lesson 3 - Layer Control , Lesson 4 - Creating Transparency)

### **Week Six - 02/07**

**MIDTERM** - Multiple Choice and T/F, Photoshop Practical

Effects, Basic Green Screen, Color Correction

**Visual Effects Sequence Breakdown (02/21):** Choose a visual effects shot or sequence from commercially released feature film, and discuss the role the sequence plays in the film in a two page paper. Break down how they accomplished the Visual Effects as well. You should watch the entire film and research the sequence production in detail. Research materials can include texts, publications, interviews, dvd commentary, and documentaries. Upload your paper as a .PDF to D2L. Please cite your sources.

**Readings:** *The Visual Effects Producer, Chapter 3 "Who You Gonna Call: The VFX Team"*

### **Week Seven - 02/14**

Rotoscoping, Roto-Masking

**ASSIGNMENT #5 (02/28 DUE):** Using a video camera, shoot a 5-10 second clip of a moving object that you plan on roto-masking in After Effects. Roto-mask the point of interest in your shot and apply an interesting effect to your footage. The results should be seamless. Upload the video to D2L as **H.264**.

Use the naming convention **Lastname\_VFX200\_assn6**. Points will be deducted for not following the correct naming convention or using the correct compression.

### **Week Eight - 02/21**

Digital Color Theory, Color Matching

**FINAL PROJECT (03/14 DUE):** Students will composite together elements given to students by instructor. More details will be given as the quarter progresses.

**Readings:** *The Art and Science of Digital Compositing, Chapter 3 "The Digital Representation of Visual Information"*

**Week Nine - 02/28**

Motion Graphics, Illustrator, Additional Integration Techniques, Post-Production Workflows,  
Working in Post-Production in Chicago

**Week Ten - 03/07**

Work in Progress of Final Projects Due 03/07

**FINAL PROJECT DUE MARCH 14 by 11:30AM**