COMP SYSTEM II

HSG-5011-A

School of Visual Arts
MFA Computer Arts
Spring 2022

Class Times / Description

Class Times: 01/11/22-04/26/22, Tue 06:00PM-07:50PM

Course Description

The MFA Computer Arts Lab is a sophisticated and complex network of computers, peripherals, software, servers and other high-end components. If students are to take advantage of the true potential and power of the MFA lab, indoctrination in "real-world" problem solving is necessary. This course dissects, researches and solves systems problems that prepare students to successfully execute a thesis project. In addition to lectures, field trips will be made to state-of-the-art facilities.

Faculty Information

Instructor: Adam Driggers
Email: adriggers1@sva.edu

Course Outcomes

After completing this course, students will be able to:

- Build an understanding of the command line and how it can be used to control and troubleshoot computer systems.

- Explore the computer systems at different animation studios through visits and

interviews.

- Set up and manage cloud servers, virtual machines, and containers to gain experience with non-desktop computer systems.

Course Requirements

Students are expected to attend every scheduled class meeting and are prepared to participate in class discussions based on assigned readings or videos. Students' final grade will be based on assignments, class participation, as well as midterm and final projects.

Grading

Weekly Assignments / Attendance / Participation	40%
Midterm Project	30%
Final Class Project	30%

Grade Conversion

A+	97-100
A	93-96
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	65-66
F	Below 65

Required Materials

None

Course Outline

Topics and assignments are subject to change.

Date	Summary
Week 1 - 1/11/22 (Remote)	Class Introductions and Setup Getting started with the command line.
Week 2 - 1/18/22 (Remote)	Command Line: Moving Around, Copying, and Editing Files.
Week 3 - 1/25/22	Command Line: Git, Remote Access
Week 4 - 2/1/22	Command Line: Scripting
Week 5 - 2/8/22	Renderfarm Workshop
Week 6 - 2/15/22	Field Trip #1
Week 7 - 2/22/22	Virtual Machines and Containerization
Week 8 - 3/8/22	Midterm Presentations
Week 9 - 3/15/22	Field Trip #2
Week 10 - 3/22/22	Security: Cryptography
Week 11 - 3/29/22	Security: Internet Security
Week 12 - 4/5/22	Field Trip #3
Week 13 - 4/12/22	Advanced Topics: Cloud and Edge Computing
Week 14 - 4/19/22	Advanced Topics: Artificial Intelligence in Practice
Week 15 - 4/26/22	Final Due

Policies

Academic Integrity

Academic dishonesty, including plagiarism, will not be tolerated. Students found to have committed an act of academic dishonesty will fail the assignment for which an infraction is suspected and substantiated. More serious violations will be handled through the process enumerated in the [SVA Handbook](). Put simply, make sure your work is your own.

Students with Disabilities

SVA is committed to providing students with access to their academic programs and courses. If you are a student with a disability and require accommodations, you must

register with Disability Resources by visiting sva.edu/disabilityresources and completing an online accommodation request. To be eligible for accommodations in this course, students must provide the instructor with a letter of accommodation from Disability Resources. For questions or assistance, please call Disability Resources at 212-592-2396, or visit the office: 340 East 24th Street, New York, NY 10010, or email disabilityservices@sva.edu

SVA Attendance Policy

The **SVA Handbook** says: The School of Visual Arts is a professional art college dedicated to teaching and learning. Attendance is required in all courses, and the individual faculty member determines the number of acceptable absences, if any. However, students who are marked absent for one-third of the sessions for a given course will be administratively withdrawn from the course with a grade of W.

Pronouns and Chosen Names

Students may indicate their pronouns and preferred/chosen first name through MyServices; this information will then appear on class rosters (go to: https://myservices.sva.edu/Student/UserProfile and select "Edit Personal Identity").

Please let your instructor know the preferred name and pronouns by which you would like to be referred, if that information does not already appear on the roster. A student's chosen name and pronouns should be respected at all times.

While SVA has an attendance policy where the Registrar will automatically withdraw any students who miss one-third of a given course's regularly scheduled class meetings, MFA Computer Arts has a stricter policy that students would automatically be given an "F" grade for missing 3 classes without informing the faculty with reasons.

Course Calendar

Due Date	Items	Points
3/8	Midterm Project: Cloud Rendering Test Drive	20
4/26	Final Project: Studio Interview	20