

Computer Music Applications

MUS 3138

Course Syllabus

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Course website: all of the assignments and our syllabus are located on blackboard

Supplies: there is NO required textbook for this course so that students can invest money into purchasing the software we are using. While the lab contains all of the software we will discuss and is open to use for all music majors, it is **strongly** encouraged that you purchase the software for personal use. Each student must purchase a removable storage device (flash drive, etc.) and back up his/her work regularly. Students should also backup the removable storage device to another machine regularly. No information can be stored on the computers in the lab as all data is erased upon logging off.

Computer Lab & Resources: our computer lab is open every weekday (hours posted on the lab door). The lab monitors are **NOT** tutors or technical support. Read the Help files and other documentation if you are stuck. Do not rely on them for assistance.

Upon enrollment in this course, you should have been enrolled in the organization Music Technology (see link on side menu). Many helpful resources are available in this organization including lab policies and information on lending out equipment.

Assignments: All assignments are due on the due date in the Blackboard Assignment Section. Submit assignments to BlackBoard—do not e-mail assignment. **Each student is expected to do his/her own unique work.** Assignments for each class are listed below. Consult the syllabus for each class meeting and complete the assignments after each class. If you are taking a summer course or other double period course, you will need to complete "Class 1" & "Class 2" assignments before the next class meeting.

Description: Intensive study of music notational conventions, fundamentals of digital synthesis, digital audio recording/production, and interactive music system development. This course primarily emphasizes the use of the following software: Finale, Garage Band, Max/MSP/Jitter. Other software will also be discussed.

NOTE: I realize that some of you in the class may be more knowledgeable of some topics in this course than others. This includes discussion of computer operation (both advanced and basic) as well as some discussion of signal theory, synthesis, acoustics, and digital audio processing. Your patience is appreciated as there is a necessity for us to begin our class from a common set of terminology.

Registration and withdrawal: Students are referred to the University Bulletin for all registration deadlines and withdrawal dates pertaining to this course. Bulletins are available in the Registrar's office.

Syllabus: Every student must acquire the syllabus from Blackboard.

Make-up policy for Examinations: To pass the course, you must take the Mid-term examination and submit the Final Project. No excused absences will be granted ahead of time. A make-up exam will be given only to those with a written Doctor's or Administrator's excuse. Make-up exams must be taken within ten days from the date of the original exam.

Attendance policy: Students are expected to be in attendance, on time, mentally alert, and prepared for each session. Two absences will be forgiven. More than four classes missed will result in a failing grade. Note: missing a double-period course counts as two classes missed. More than two absences will result in the following point penalties:

For each absence (beyond two) three points will be subtracted from the term average before a term grade is assigned. Exception: Any student who requests in advance to be excused to observe a religious holiday on the University calendar will be granted permission and counted present for the purpose of grading.

Term Grades: There will be a Mid-Term Examination, one final project as well as a number of homework assignments. All assignments are due on time class and will not be accepted late. Blackboard is sometimes unreliable—please allow time for Blackboard complications. The rewards and penalties for punctual attendance mentioned above will be factored into your grand average to arrive at your final grade. For borderline grades, class preparedness and participation will be weighed to tip the balance.

Letter grades and grades expressed as percentages counterchange according to the following table:

- A : 96 - 100
- A- : 90 - 95
- B+ : 87 - 89
- B : 84 - 86
- B- : 80 - 83
- C+ : 75 - 79
- C : 70 - 74

- D : 60 - 69
- F : 0 – 59

Assignment	Pts.
First Assignment	1
Reading Assignment 1 - Algorithmic Composition	2
Listening Assignment 1	2
Reading Assignment 2 - Mozart Dice	2
Lab Assignment 1	4
Listening Assignment 2	2
Lab Assignment 2	5
Listening Assignment 3	2
Lab Assignment 3	5
Reading Assignment 3 - Electro-acoustic Music	2
Listening Assignment 4	2
Reading Assignment 4: Teach Naked	2
Reading Assignment 5 - Kurzweil and Wearable Computing	2
Mini-Project: Part 1	3
Mini-Project: Part 2	7
Final Project Proposal	2
Final Project - Presentation & Digital Materials	20
Intro to Max	5
Max Assignment 1	5
Max Assignment 2	5
MSP Assignment 1	5
MSP Assignment 2	5
Jitter Assignment 1	5
GarageBand Project	5
Total	100

Academic Integrity: It should go without saying, but academic dishonesty of any sort will not be tolerated. This is outlined in the University Code of Conduct:

http://www.kean.edu/~library/InfoLit/ResearchTutorials/AcademicIntegrity_Intro.htm

Special Students: We ask that any student with a disabling condition requiring special accommodations disclose this need to the professor at the very beginning of the course. (Special accommodations might include recording devices, adaptive equipment, special note-taking or test-taking procedures, etc.) We will work with the General Education and Learning Assistance Program and the Special Education Department to ensure that every student can participate in and benefit fully from this class.

Possible changes to the syllabus: Although change is unlikely, this syllabus is subject to change. We will make changes only as necessary for the effective running of the course.

Course Assignments:

Class 1

- Homework:
 - Complete "First Assignment"
 - Reading Assignment 1
 - Listening Assignment 1
 - Reading Assignment 2
 - Listening Assignment 2
 - Reading Assignment 3

Class 2

- Homework:
 - Listening Assignment 3
 - Reading Assignment 4
 - Lab Assignment 1
 - Listening Assignment 4
 - Reading Assignment 5
 - Intro to Max Assignment
 - Lab Assignment 2

Class 3

- Homework:
 - Mini-project Assigned– post project WITH SCANNED ORIGINAL before Mid-Term
 - Lab Assignment 3

Class 4

- Homework:
 - Mini-Project Due
 - Final Project Proposal Assigned

Class 5

- Homework:
 - GarageBand Project Assigned

Class 6

- Homework:
 - GarageBand Project Due
 - Read Max Assignment 1
 - Submit Final Project Proposal
 - Begin working on Final Project

Class 7

- Homework:
 - Complete project at the end of Max Assignment 1
 - Read Max Assignment 2
 - Complete project at the end of Max Assignment 2
 - Bring final project materials to our next class to work on in class

Class 8

- Homework:
 - Read MSP Assignment 1
 - Complete project at the end of MSP Assignment 1
 - Bring final project materials to our next class to work on in class

Class 9

- Homework:
 - Read MSP Assignment 2
 - Complete project at the end of MSP Assignment 2
 - Bring final project materials to our next class to work on in class

Class 10

- Homework:
 - Continue working on Final Project
 - Bring final project materials to our next class to work on in class

Class 11

- Homework:
 - Read Jitter Assignment 1
 - Complete project at the end of Jitter Assignment 1

- Bring final project materials to our next class to work on in class

Class 12

- Homework TBA

Class 13

- Homework TBA

Final Class

- Final Project Presentation In Class
- Submit Video Link to to Assignments section.

- Submit digital copies of all project source media (Garage Band Archives, Finale files, Max patches, etc.) to Assignments section.

If files are too large for BlackBoard, use a storage site like mediafire.com or dropbox.com to upload your file, then post the URL in the assignments section instead of the actual file.