MUCP 5341/4341: Computer Music I

Instructor: Peter Fischer   **Office: 103**
E-mail: peter.fischer@ttu.edu   **Office Hours: by appointment**

Course Meeting Time: Monday 3-5:30 pm and individual meetings as necessary

Classroom: M125

Required Software and Hardware: Your own laptop; FM8 (Native Instruments); Logic Pro (or PC software); optional and recommended: a MIDI keyboard—online or Guitar Center; extended keyboard and mouse

Course Content: This course will discuss some relevant aspects of the history of computer music; important techniques used in computer music, and specific software applications that allow one to create computer music. The work in this course will result in the completion and performance of creative projects.

Course Purpose: This course gives students background information on electronic/computer music and introduces the tools necessary for creating computer music. The course is required for BM, MM, DMA, and PhD degree plans in composition.

Expected Learning Outcomes: Upon completion of MUCP 5341, one should be able to:
- Possess a general understanding of the historical developments of electronic/computer music.
- Become familiar with the different computer music techniques and terms associated with them.
- Build knowledge of composers associated with computer music and the corresponding repertoire.
- Produce music for performance using original sound design, audio signal processing, and MIDI software, an optional live instrument is possible.

Assessment of Learning Outcomes: The following methods will be used to assess your progress towards the learning outcomes given above.

MUCP 5341
- Classroom lectures, seminars, individual meetings, and discussion
- Required sound design time and sequencing time using specified software
- FM8 Project 1 MIDI Project (Electronic design, sequencing, and effects) 4 minutes
- Project 1 must use at least three different sounds from each of at least four categories (12)
- Project 1 should use contrasting sections and styles (not all one amorphous sound)
- Midterm Exam on history of computer music and terms
- FM8 Project 2 MIDI Project (Electronic design, sequencing, and effects) 5-7 minutes
- Project 2 must use at least 4 sounds from each category; Project 2 may incorporate a live instrument
- 7 Sound libraries: melodic, harmonic, percussive, ambient, extended morphing, sci-fi, special effects, optional extra (not part of required)
- minimum 10 sound designs for each library with developmental work for each

MUCP 4341
- Classroom lectures, seminars, individual meetings, and discussion
- Required sound design time and sequencing time using specified software
- FM8 Project 1 MIDI Project (Electronic design, sequencing, and effects) 3 minutes
- Project 1 must use at least two sounds each from at least four categories (12)
- Project 1 should use contrasting sections and styles (not all one amorphous sound)
- Midterm Exam on history of computer music and terms
- FM8 Project 2 MIDI Project (Electronic design, sequencing, and effects) 3-5 minutes
- Project 2 must use at least 2 sounds from each category (2x7 = 14)
- 7 Sound libraries: melodic, harmonic, percussive, ambient, extended morphing, sci-fi, special effects, optional extra (not part of required)
- minimum 5 sound designs for each library with developmental work for each

 (note: FM8 projects may be shorter for the 4341 course and the libraries shorter)

Criteria for Grading: Students are responsible for all material covered in class and assigned for homework. Grading will be weighted as follows:

MUCP 5341
- FM8 Project 1 = 20%, Midterm = 20%, FM8 Project 2 = 30%, Completed Sound Libraries 30%

MUCP 4341
- FM8 Project 1 = 20%, Midterm = 20%, FM8 Project 2 = 30%, Completed Sound Libraries 30%

Grading Scale: 90-100% = A, 80-89 = B, 70-79 = C, 60-69 = D, below 60% = F

Completed Sound Libraries, Logs, and Final Project will be reviewed individually during the Final Exam time and as scheduled outside of that time if necessary.

Attendance: Attendance is required. If you anticipate missing class, you should inform the instructor in advance. Absence from more than one class will result in 1 letter grade lower for each unexcused absence. Attendance is required at the two public concerts. Absence will result in a failing grade for the class.

Incompletes: The grade of incomplete is granted only in cases of documented emergencies or illness, and then only when permission has been obtained from the instructor, no later than one week before the final class meeting.

<u>**ADA Compliance-OP34.22**</u>
Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note: instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact Student Disability Services in West Hall or call 806-742-2405.

<u>**Academic Integrity-OP34.12**</u>
It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension.
"Scholastic dishonesty" includes, but it not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.
a. "Cheating" includes, but is not limited to:
(1) Copying from another student's test paper;
(2) Using during a test materials not authorized by the person giving the test;

(3) Failing to comply with instructions given by the person administering the test;

(4) Possession during a test of materials that are not authorized by the person giving the test, such as class notes or specifically designed "crib notes." The presence of textbooks constitutes a violation only if they have been specifically prohibited by the person administering the test.

(5) Using, buying, stealing, transporting, or soliciting in whole or in part the contents of an unadministered test, test key, homework solution, or computer program;

(6) Collaborating with or seeking aid or receiving assistance from another student or individual during a test or in conjunction with other assignment without authority;

(7) Discussing the contents of an examination with another student who will take the examination;

(8) Divulging the contents of an examination for the purpose of preserving questions for use by another when the instructor has designated that the examination is not to be removed from the examination room or not to be returned to or kept by the student;

(9) Substituting for another person or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;

(10) Paying or offering money or other valuable thing to or coercing another person to obtain an unadministered test, test key, homework solution, or computer program, or information about an unadministered test, test key, homework solution, or computer program;

(11) Falsifying research data, laboratory reports, and/or other academic work offered for credit; and

(12) Taking, keeping, misplacing, or damaging the property of the university or of another if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct.

b. "Plagiarism" includes, but is not limited to, the appropriation of, buying, receiving as a gift, or obtaining by any means material that is attributable in whole or in part to another source, including words, ideas, illustrations, structure, computer code, other expression and media, and presenting that material as one's own academic work being offered for credit.

c. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.

d. "Falsifying academic records" includes, but is not limited to, altering or assisting in the altering of any official record of the university and/or submitting false information or omitting requested information that is required for or related to any academic record of the university. Academic records include, but are not limited to, applications for admission, the awarding of a degree, grade reports, test papers, registration materials, grade change forms, and reporting forms used by the Office of the Registrar. A former student who engages in such conduct is subject to a bar against readmission, revocation of a degree, and withdrawal of a diploma.

e. "Misrepresenting facts" to the university or an agent of the university includes, but is not limited to, providing false grades or resumes; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual; or providing false or misleading information in an effort to injure another student academically or financially.

Last Day to drop a course: The 45th class day is the last day to drop a course (October 30th for Fall 2017).

Student Absence for Observance of Religious Holy Day-OP34.19
1. "Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Texas Tax Code §11.20.
2. A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.
3. A student who is excused under section 2 may not be penalized for the absence; however, the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.

Absence Due to Officially Approved Trips
The Texas Tech University Catalog states that the person responsible for a student missing class due to a trip should notify the instructors of the departure and return schedule in advance of the trip. The student may not be penalized and is responsible for the material missed.

Concealed Carry of Handguns on Campus-OP10.22

Civility in the Classroom
http://www.depts.ttu.edu/studentaffairs/CampusCrime/documents/CivilityInTheClassroom.pdf
Students are expected to assist in maintaining a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from time spent in class, unless otherwise approved by the instructor,

students are prohibited from engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.

Student Handbook and Code of Conduct
http://www.depts.ttu.edu/dos/handbook/

Resources for Discrimination, Harassment, and Sexual Violence

Texas Tech University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from gender and/or sex discrimination of any kind. Sexual assault, discrimination, harassment, and other Title IX violations are not tolerated by the University. Report any incidents to the *Office for Student Rights & Resolution*, (806)-742-SAFE (7233) or file a report online at titleix.ttu.edu/students. Faculty and staff members at TTU are committed to connecting you to resources on campus. Some of these available resources are: **TTU Student Counseling Center,** 806-742-3674, https://www.depts.ttu.edu/scc/*(Provides confidential support on campus.)* **TTU Student Counseling Center 24-hour Helpline**, 806-742-5555, *(Assists students who are experiencing a mental health or interpersonal violence crisis. If you call the helpline, you will speak with a mental health counselor.)* **Voice of Hope Lubbock Rape Crisis Center**, 806-763-7273, voiceofhopelubbock.org*(24-hour hotline that provides support for survivors of sexual violence.)* **The Risk, Intervention, Safety and Education (RISE) Office**, 806-742-2110, rise.ttu.edu*(Provides a range of resources and support options focused on prevention education and student wellness.)* **Texas Tech Police Department**, 806-742-3931, http://www.depts.ttu.edu/ttpd/*(To report criminal activity that occurs on or near Texas Tech campus.*)

LGBTQIA Statement:
Within the Center for Campus Life, the LGBTQIA Office serves the Texas Tech community through facilitation and leadership of programming and advocacy efforts. This work is aimed at strengthening the lesbian, gay, bisexual, transgender, queer, intersex, and asexual (LGBTQIA) community and sustaining an inclusive campus that welcomes people of all sexual orientations, gender identities, and gender expressions. Please note that resources are available through the Office of LGBTQIA within the Center for Campus Life, Student Union Building Room 201, www.lgbtqia.ttu.edu, 806-742-5433.