**Fall 2010  Introduction to Music Technology**

MUSIC 1360: Introduction to Music Technology, Fall 2010

**Instructor:** Mr. Chet Udell, M.M.
Email: cudell@ufl.edu
**Office Hour:** Friday, 3$^{rd}$ per (9:33-10:25) and by Appointment.

SECTION 3299:
**Class Meeting Times:** Monday, Wednesday, Friday.  4$^{th}$ per. (10:40 – 11:30 am)
**Exam Period:** Wednesday December 15$^{th}$ 5:30pm - 7:30pm

Most course materials will be available on the web at **http://plaza.ufl.edu/cudell/.**
Check this website regularly for schedule changes, assignments, due dates, etc.
Additional course information will be sent via email over the course of the semester.

Course Description:

The universe of music has been fundamentally transformed by technology.  Rapidly advancing access to new media, including the Internet, has already altered the face of the music industry, the creative endeavors of composers, and the way music is taught and learned.

Music 1360 introduces students to these broad topics and technology's relationship to music.  Major course sections include web authoring, music composition with sequencing, sound editing, and music notation/authoring.  To these ends, students will design and publish their own website, show understanding of concepts such as data organization, demonstrate proficiency with several industry-standard software packages, and show competence with music-related computer terminology.

Students should also be able to intelligently discuss the ethical, legal, artistic, and social issues surrounding technology and music-making.  Paul D. Miller's book **Sound Unbound** will be used as a guide for these discussions.

*The requirements, emphasis, and timing of this course may be changed or adjusted due to the pace of technological advancement or to meet the specific needs of the class as determined by the instructor.*

Required Materials

| | |
|---|---|
| Book | Sound Unbound by Paul D. Miller (a.k.a. DJ Spooky) ISBN:  978-0-262-63363-5 (paperback) |
| Data Storage | Some form of read/write data storage.  It is required that you purchase a USB flash drive with at least a 256MB capacity.  Students may also use other portable data storage device if they desire.  You may also need blank CDs for assignments. |
| Headphones | For use during class and when you are working on audio projects. You may also use these to listen to music during lab sessions, so bring them every day! |

## Attendance

Students are expected to attend class. Excessive absences will negatively impact your attendance grade as well as your knowledge of the materials we will be covering in class. If you need to miss class for a legitimate reason, please notify me as quickly as possible. Unexcused absences in equivalence of two weeks may result in the student being automatically dropped from the course. Use the syllabus to plan your semester accordingly.

**Examples of unexcused absences:** Having to work a job, leaving for break early to see family or returning late, making up a test in another class, didn't check email, test ran over time in another course, ad hoc Instrument Studio meetings.

**Examples of legitimate reasons to miss class (with documentation where applicable):** Family emergency (sorry, pets do not count), illness, Music Department performance trips (band, orchestra, choir, etc). *Official documentation is required in ALL cases.* If you know you have an upcoming absence, excused or not, do yourself a favor and work it out with me ahead of time. When in doubt if an absence is excused or unexcused, **ask me!**

## Students with Disabilities

Students needing assistance to account for disabilities should work with the University of Florida Dean of Students Office and the Americans with Disabilities Act Compliance Office to arrange accommodations for in-class, testing, and other situations. Visit http://www.ada.ufl.edu/ for more information.

## Getting Help

University Counseling Services: http://www.counsel.ufl.edu/ or (352)392-1575
   Located at P301 Peabody Hall
Mental Health Services: http://shcc.ufl.edu/smhs/ or (352)392-1171
   Located at 245 Infirmary Building on Fletcher Drive
Alachua County Crisis Hotline: (352)264-6789
Reading and Writing Center: http://www.at.ufl.edu/rwcenter/ or (352)392-2010
UF Computing Help Desk: http://helpdesk.circa.ufl.edu/ or (352)392-HELP

## Grading Scale

A    90-100%
A -  87-89%
B+   84-86%
B    80-83%
B -  77-79%
C+   74-76%
C    70-73% (remember you have to score a C or better as a music major!)
C -  67-69%
D+   64-66%
D    60-63%
D -  56-59%
E(fail)  0-55%

<u>Grade Distribution</u>

25%        Attendance and Class Participation (100 points)
15%        Web Site Project (100 points)
20%        Finale Projects  (100 points each, 200 points total)
15%        Reason Sequencer Project (100 points)
25%        Week-to-Week Assignments, Quizzes, etc (variable number of points)

<u>Class Policies</u>

All students at the University of Florida are expected to conduct themselves in a reasonable and professional manner as described in the Student Honor Code.  Any infraction of the honor code, including plagiarism and cheating, will be acted upon immediately and may result in a zero on the questionable assignment, a failing grade in the class, or more severe ramifications.

You should plan to use the Room 147 Lab to complete your assignments.  Be sure to check the posted schedule for open lab times.  We are not the only class taught in the lab! **\*\* Do not assume you can complete assignments using only scheduled class times.  Please take advantage of "open" scheduled lab hours to work on assignments.**

When I'm lecturing in class, please do not use the computers unless we are working through something.  We have a lot of material to cover, which means you will have to take notes as opposed to chatting on AIM, writing email, or making new friends on facebook.  Use of cell phones, especially texting is prohibited during class/lab time.

You are welcome to use your own computer to complete assignments, but please make sure your saved files will load on the computers in the lab.  There are several software packages you may have at home that are different versions than the ones in our lab! Use caution.

**Quizzes** may be given at any time.  Expect them.  Especially on the reading.

**Late assignments will not be accepted.**  You may make up quizzes or other in-class activities or turn in projects at a later time **only if your absence is excused.**

Software piracy is illegal.  Please follow the university policies on computer usage, which can be found at http://www.it.ufl.edu/policies/aupolicy.html.

All assignments submitted for a grade are required to have the University of Florida honor pledge written out and signed by the student.  The pledge reads:  On my honor, I have neither given nor received unauthorized aid in doing this assignment.  If the pledge does not appear on your work, assume it is implied.

This is not a "How-To" class.  I expect everyone to be self-guided and work hard on learning the topics of discussion and how to use the computers effectively.  The philosophy of this course is to *learn-how-to-learn*.  If you have trouble using a computer, see me.
I'm always happy to help.  Please contact me – it's really easy!

<u>Semester Schedule</u>

These are the normally scheduled meetings for the class, mostly you will attend class two times per week:  One lecture class (typically Monday and Tuesday, depending on which section you are in) and one lab period (the other scheduled class meeting times for your section).  This happens during the majority of the weeks of class, but may not happen every week.  Please stay on top of the schedule using the syllabus as a guide.

Note: Essay assignments should be submitted via email in Microsoft Word format.

| WEEK 1 | 8/23 – 8/27 | Monday:  Introduction, Syllabus, Discussion: Music Technology |
|---|---|---|
| | | **This week's assignment:**  Send me an email by Friday for credit. Please introduce yourself and let me know something about you. |
| | | Wednesday**: Introduction to Finale, Finale Handout 1**<br>Topics: Macintosh Basics, Finale Lecture I<br>Finale Assignment I **due Monday 9/13** |
| | | Friday: Finale Basics Reinforcement<br>Email Me Assignment: **due Today** |
| WEEK 2 | 8/30 – 9/3 | Monday: Finale Lecture II |
| | | Wednesday: Lab A, Finale Workshop I |
| | | Friday: Lab B, Finale Workshop I |
| | | **This week's assignment:**  Write a short essay of 500 words minimum about how computer notation has affected musicians' lives.  Contrast this to the old way of printing music (industrial printing and hand copying) **Due Friday 9/10 in my box or in person. 100 pts toward assignments grade.** |
| WEEK 3 | 9/6 – 9/10 | Monday:  No Class, Labor Day |
| | | Wednesday: Lab A, Finale Workshop II |
| | | Friday: Lab B, Finale Workshop II |
| | | Friday 1/10: **Essay on Computer Notation Due Today!** |
| | | **Finale Assignment I due by next Monday 9/13 at 10:40am in person or in my box** |
| WEEK 4 | 9/13 – 9/17 | **Finale Assignment I due! 10:40am.** |
| | | Monday: Finale Lecture, **Finale  Assignment II handout.**<br>Topic: how to set up your Finale II Project |
| | (9/13 – 9/17) | Wednesday: Lab A, Finale Workshop III |
| | | Friday: Lab B, Finale Workshop III |
| WEEK 5 | 9/20 – 9/24 | Monday: Open lab, optional – come if you need help.<br>**Finale Assignment II due NEXT Monday by 10:40am in person** |

**or in my box, 9/27**

Wednesday: Lab A, Intro to HTML- Diary Entry, turn in for credit.
**Assignment**: go through w3schools html tutorials

Friday: Lab B, Intro to HTML - Diary Entry, turn in for credit.
**Assignment:** go through w3schools html tutorials

| | | |
|---|---|---|
| WEEK 6 | 9/27 – 10/1 | **Finale Assignment II due Today! 10:40am in person or in my box**<br>Monday: HTML - links, images, symbols, alignment<br>**HTML Project Handout: due 11/1**<br>**Handout HTML Assignment I: Musical Robots. Due 10/4.**<br><br>Wednesday: Lab A, Review links, images, alignment<br>Topic: basic CSS, Table layout, positioning<br>Assignment: go through w3schools html tutorials<br><br>Friday: Lab B Review links, images, alignment<br>Topic: basic CSS, Table layout, positioning<br>Assignment: go through w3schools html tutorials<br><br>**HTML Practice Assignment due by Next Monday 10/4 10:40am by email or in person.** |
| WEEK 7 | 10/4 – 10/8 | **HTML Practice assignment due Today. 10:40am in person or by email**<br>Monday: Nav Menu, CSS Advanced, more Table layout<br><br>Wednesday: Lab A, Div, background images, CSS Nav Menu<br>**Assignment: Go through w3schools CSS tutorials**<br>**CSS Practice assignment due Monday**<br><br>Friday: Lab B, Div, background images, CSS Nav Menu<br>**Assignment: Go through w3schools CSS tutorials**<br>**CSS Practice assignment due Monday** |
| WEEK 8 | 10/11 – 10/15 | **CSS Practice assignment due Today by 10:40am by email**<br>Monday: Lab A, CSS/HTML W3Schools Valid Templates<br><br>Wednesday: Lab B, CSS/HTML W3Schools Valid Templates<br><br>**These are the final lab secessions for the HTML Project! You should have 1 CSS file, 4 html files, photos, and sounds all in one folder with your name on it!**<br><br>Friday: No Class – Homecoming. |
| WEEK 9 | 10/18 – 10/22 | Monday: Embed audio/video, div tag, Publishing your site to the World-wide-web: File Transfer Protocol (FTP).<br><br>Wednesday: Everyone: Sound Unbound Readings: Foreword: Doctrow, Ch 1: Reich, Ch 2: Miller.  Discussion/Quiz.<br><br>Friday: SU Readings: Ch. 4: Lenthem, Ch. 6: Sterling, Ch. 8: Obadike. Discussion and Quiz |

| WEEK 10 | 10/25 – 10/29 | Monday: SU Readings Ch. 9: Miller, Ch. 10: Allenby. Discussion and Quiz |
|---|---|---|
| | | Wednesday: SU Readings Ch. 13: Keller, Ch. 12: Scanner Discussion and Quiz |
| | | Friday: SU Readings Ch. 18: Winner, Ch. 21: DeLanda, Discussion and Quiz |
| WEEK 11 | 11/1 – 11/5 | **HTML Project due Today 10:40am - email me your URL.** Monday: SU reading Ch. 25 deLahunta, Ch. 32: DBR, Ch. 36: Lanier. Discussion and Quiz (gee wiz!). **Handout Final Project and colors.  Due 12/15 5:30pm** |
| | | Wednesday: Lab A, Audio editing and manipulation in Audacity |
| | | Friday: Lab B, Audio editing and manipulation in Audacity |
| WEEK 12 | 11/8 – 11/12 | Monday: Lecture on Recording Techniques, microphone types, getting sound into the computer. |
| | | Wednesday: Lab A, Advanced Sound editing, sampling, arranging techniques. Intro to Reason: the Mixer and signal flow |
| | | Friday: Lab B, Advanced Sound editing, sampling, arranging techniques. Intro to Reason: the Mixer and signal flow |
| WEEK 13 | 11/15 – 11/19 | Monday: Intro to Reason Continued |
| | | Wednesday: Lab A, Reason Workshop I |
| | | Friday: Lab B, Reason Workshop I |
| WEEK 14 | 11/22 – 11/26 | Monday: Lab A, Reason Workshop II |
| | | Wednesday: Lab B, Reason Workshop II |
| | | Friday: No Class – Thanksgiving. |
| WEEK 15 | 11/29 – 12/3 | Monday 3rd and Tuesday 9th:  **Special Topic:** Interactivity with Musically Intelligent Computers. |
| | | Wednesday: Bouncing down your Reason Project, general questions |
| | | Friday: Individual Lessons with Cudell |
| WEEK 16 | 12/6 – 12/8 | Monday : Individual Lessons with Cudell |
| | | Wednesday: Individual Lessons with Cudell |

WEEK 17 is Exam Week, December 11, 13 – 17
Our exam period is **Wednesday December 15th 5:30pm - 7:30pm**
You must be prepared to present your Reason project and turn it in at that time.
*If you skip or leave the exam period early, you will receive an "I " for the course.*

**Introduction to Music Technology, 2010.**                                    6