

MUSIC 1360: Introduction to Music Technology, Spring 2012

**Instructor:** Mr. Chet Udell, Ph.D. Candidate. **Co-instructor:** Mr. Adam Scott Neal M.M.  
Email: cudell@ufl.edu

**Office Hour:** Monday, 4<sup>th</sup> p, Tuesday 11<sup>th</sup> p, by Appointment.

I'm also willing to meet before or after class and answer emails anytime.

SECTION 4896:

**Class Meeting Times:** Monday, Wednesday, Friday. 3<sup>rd</sup> per. (9:35 – 10:25 am)

**Exam Period:** Thursday May 3<sup>rd</sup> 7:30am - 9:30am

SECTION 6888:

**Class Meeting Times:** Tuesday 9<sup>th</sup>-10<sup>th</sup> per.(4:05pm-6pm), Thursday. 9<sup>th</sup> per. only (4:05 -4:55pm)

**Exam Period:** Wednesday May 2<sup>nd</sup> 10:00am - 12:00 noon

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:

From the beginnings with sticks and bone, to cat-gut strings, to brass, to the piano-forte, to electronic synthesizers and beyond, musicians have engaged with contemporary tools to create the music of their respective eras. Our charge in cultivating the following generations of musicians is to expose students to ongoing technological developments and demonstrate how it can challenge, enhance, and transform preconceived notions of how music is made, taught and learned.

MUS 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) Be sure to purchase a copy that comes with the bundled audio CD.
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 You may also need blank CDs for assignments (final project).

Headphones For use during class and when you are working on audio projects.  
Laptop(optional) If you have one with the correct software on it, feel free to bring it.

### 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, etc.

**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.*

When in doubt if an absence is excused or unexcused, **ask me!**

**NOTE:** The Student is responsible for apprehending all missed course material covered whether an absence is excused or not (use peers, homework, tutorials, website, etc).

### 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%

## Grade Distribution

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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)

## Class Policies

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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. **Texting/cell-use is absolutely positively forbidden, be polite.**

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!

## Semester Schedule

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There are two sections of Music 1360 this semester. One class meets MWF 3rd period, and the other Tuesday 9th and 10th period and Thursday 9th period.

These are the normally scheduled meetings for the class; sometimes 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.**

Typically Mr. Udell will teach the lecture classes and share the lab periods with Mr. Neal, though this may change from week to week. Note: Essay assignments should be submitted via email in Microsoft Word format *in addition* to handing in.

WEEK 1	1/9 – 1/13	Monday 3 <sup>rd</sup> Tuesday 9 <sup>th</sup> : Introduction, Syllabus, Discussion: Music Technology  <b>This week's assignment:</b> Send me an email by Friday for credit. Please introduce yourself and let me know something about you.  Tuesday 10 <sup>th</sup> (A) Wednesday 3 <sup>rd</sup> (A) Lab I Macintosh Basics, Finale Lecture Thursday 9 <sup>th</sup> (B), Friday 3 <sup>rd</sup> (B): Finale Lab I  Finale Assignment I assignment <b>due M 1/30 or T 1/31.</b>
WEEK 2	1/16 – 1/20	M 3 <sup>rd</sup> : ** No Class ** Tuesday 9 <sup>th</sup> (A), Wednesday 3 <sup>rd</sup> (A): Finale Lab II Tuesday 10 <sup>th</sup> – no class. Thursday 9 <sup>th</sup> (B), Friday 3 <sup>rd</sup> (B): Finale Lab II  <b>This week's assignment:</b> 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) <b>Due Friday 1/21 in my box or in person</b>
WEEK 3	1/23 – 1/27	Monday 3 <sup>rd</sup> (A), Tuesday 9 <sup>th</sup> (A): Finale Lab III  Tuesday 10 <sup>th</sup> (B), Wednesday 3 <sup>rd</sup> (B): Finale Lab III  Thursday 9 <sup>th</sup> Friday 3 <sup>rd</sup> : Open Lab (Optional)  <b>Finale Assignment I due by M 1/30 or T 1/31 beginning of period in person or in my box</b>
WEEK 4	1/30 – 2/3	<b>Finale Assignment I due Monday(4896) /Tuesday(6888)</b> (Finale Assignment II handout) Monday 3 <sup>rd</sup> (A), Tuesday 9 <sup>th</sup> (A): Lab I Tuesday 10 <sup>th</sup> (B), Wednesday 3 <sup>rd</sup> (B): Lab I Topic: how to set up your Finale II Project  Thursday 9 <sup>th</sup> (A), Friday 3 <sup>rd</sup> (A): Lab II Margins, Special Tools, Beam angles, Alignment Ask Questions!

WEEK 5	2/6 – 2/10	<p>Monday 3<sup>rd</sup> (B), Tuesday 9<sup>th</sup> (B): Lab II  <b>Finale Assignment II due M 2/13 or T 2/14 in person or in my box by beginning of class period.</b></p> <p>Tuesday 10<sup>th</sup>, Wednesday 3<sup>rd</sup>: Open Labs          (Some people need to bring Laptops for following classes!)          Thursday 9<sup>th</sup> Friday 3<sup>rd</sup>: HTML Diary Entry, turn in for credit.  <b>Assignment:</b> go through w3schools html tutorials</p>
WEEK 6	2/13 – 2/17	<p><b>Finale Assignment II due M 9:30am (4896) / T 4:05pm (6888) in person or in my box</b>          Monday 3<sup>rd</sup> and Tuesday 9<sup>th</sup>: HTML links, images, symbols, alignment.</p> <p><b>HTML Website Project Handout (due 3/19 or 3/20)</b>          Handout HTML Practice assignment: (due 2/20,2/21)</p> <p>Labs: Tue 10<sup>th</sup> (A), Wed 3<sup>rd</sup> (A), Thurs 9<sup>th</sup> (B), Fri 3<sup>rd</sup> (B).          Basic CSS, HTML Table layout          Assignment: go through w3schools html tutorials  <b>HTML Practice Assignment due by Next Week</b> beginning of Period via email: <b>Copy and Paste</b> the <b>code</b> into email</p>
WEEK 7	2/20 – 2/24	<p><b>HTML Practice assignment due M/T beginning of Period In person or by email</b>          Monday 3<sup>rd</sup> and Tuesday 9<sup>th</sup>: Nav Menu, CSS Adv, Table layout</p> <p>Labs: Tue 10<sup>th</sup> (A), Wed 3<sup>rd</sup> (A), Thurs 9<sup>th</sup> (B), Fri 3<sup>rd</sup> (B).          Div, background images, CSS Nav Menu  <b>Assignment: Go through w3schools CSS tutorials</b>  <b>CSS Practice assignment due Monday/Tuesday</b></p>
WEEK 8	2/27 – 3/2	<p><b>CSS Practice assignment due M/T beginning of Period In person or by email</b>          Labs: Monday 3<sup>rd</sup>(A), Tuesday 9<sup>th</sup>(A): CSS/XHTML          W3Schools Valid Templates</p> <p>Labs: Tuesday 10<sup>th</sup>(B), Wednesday 3<sup>rd</sup>(B), CSS/XHTML          W3Schools Valid Templates</p> <p>Everyone: Thursday 9<sup>th</sup>, Friday 3<sup>rd</sup>: Embed audio/video,          Publishing your site to the World-wide-web: File Transfer Protocol (FTP).  <b>These are he final class secessions for the HTML Project!</b>  <b>You should have 1 CSS file, 4 html files, photos, and sounds all in one folder with your name on it!</b></p>
WEEK 9	3/5 – 3/9	No Classes, Spring Break – do continue to work on your site!
WEEK 10	3/12 – 3/16	<p>Discussions on <i>Sound Unbound</i> (everyone):          M 3<sup>rd</sup>/ T 9<sup>th</sup>: Foreword: Doctrow, Ch 1: Reich, Ch 2: Miller.          Discussion/Quiz. <b>Blog response on Sakai for credit</b></p> <p>T 10<sup>th</sup>/ W 3<sup>rd</sup>: Ch. 4: Lenthem, Ch. 6: Sterling,          Discussion and Quiz. <b>Blog response on Sakai for credit</b></p> <p>R 9<sup>th</sup>/ F 3<sup>rd</sup>: Ch. 9: Miller, Ch. 10: Allenby.          Discussion and Quiz, <b>Blog response on Sakai for credit</b></p>

WEEK 11	3/19 – 3/23	<p><b>HTML Project due M 9:30a 4896/T 4:05p 6888 - email me your URL.</b></p> <p>Discussions on <i>Sound Unbound</i> (everyone):  M 3<sup>rd</sup>/ T 9<sup>th</sup>: Ch. 13: Keller, Ch. 12: Scanner  Discussion and Quiz, <b>Blog response on Sakai for credit</b></p> <p>T 10<sup>th</sup>/ W 3<sup>rd</sup>: Ch. 18: Winner, Ch. 21: DeLanda,  Discussion and Quiz, <b>Blog response on Sakai for credit</b></p> <p>R 9<sup>th</sup>/ F 3<sup>rd</sup>: Ch. 25 deLahunta, Ch. 32: DBR, Ch. 36:  Lanier. Discussion and Quiz, <b>Blog response on Sakai for credit</b></p>
WEEK 12	3/26 – 3/30	<p>Labs: M 3<sup>rd</sup>/T 9<sup>th</sup>: everyone  Lecture: Intro to REASON</p> <p>Labs: T 10<sup>th</sup>(A) / W 3<sup>rd</sup>(A), R 9<sup>th</sup>(B) / F 10<sup>th</sup> (B)  Ear-cleaning: Audio editing and manipulation in Audacity</p>
WEEK 13	4/2 – 4/6	<p>Monday/Tuesday: No Class: Chet Udell Ph.D. Recital  Tuesday April 3 @7:30pm MUB101.  <b>Homework: REASON Tutorials 1-4, Due 4/5, 4/6</b></p> <p>Labs: Thursday 9<sup>th</sup> (A), Friday 3<sup>rd</sup> (A)  Reason Workshop I (<b>setting up your final project</b>) Sampler.</p>
WEEK 14	4/9 – 4/13	<p>Monday 3<sup>rd</sup> (B) and Tuesday 9<sup>th</sup> (B)  Reason Workshop I (<b>setting up your final project</b>) Sampler.</p> <p>Labs: Tuesday 10<sup>th</sup>(A), Wednesday 3<sup>rd</sup>(A), Thursday 9<sup>th</sup>(B)  Friday 3<sup>rd</sup>(B).  Reason Topics Continued (FX, aux sends/receives, NNXT Chnls)</p>
WEEK 15	4/16 – 4/20	<p>Monday 3<sup>rd</sup>, Tuesday 9<sup>th</sup>: Reason Workshop: Automation &amp;  Vocoder</p> <p>Tuesday 10<sup>th</sup>, Wed 3<sup>rd</sup>: Bouncing down your Reason Project, and  <b>Special Topic:</b> Interactivity with Musically Intelligent Computers.</p> <p>Thursday 9<sup>th</sup>, Friday 3<sup>rd</sup>: Individual Lessons with ASN</p>
WEEK 16	4/23 – 4/25	<p>Monday 3<sup>rd</sup>, Tuesday 9<sup>th</sup>, Tuesday 10<sup>th</sup>, Wednesday 3<sup>rd</sup>:  Individual Lessons with Cudell</p>

WEEK 17 is Exam Week,

Section 4896: Our exam period is on Thursday **May 3<sup>rd</sup>** 7:30am - 9:30am.

Section 6888: Our exam period is on Wednesday **May 2<sup>nd</sup>** 10:00am - 12:00 noon.

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.*