

## Schedule for Engineering 100-300 Fall 2015

### Music Signal Processing

WEEK (Tue-Mon)	TUESDAY CLASS*	THURSDAY CLASS*	REF CHAP	LAB/ PROJ	LAB TOPIC	DISCUSS TOPIC	DUE**	Point s	To:	Who
<b>Sep. 8-14</b>	Goals, Overview & Sampling	Intro to Tech. Comm. and Memo Writing	<b>Ch. 1</b>	Lab 1	Matlab and Sampling	Teamwork	<b>Lab 1 reading q</b> <b>Lab 1 results</b>	8 30	lab	indiv
<b>Sep 15-21</b>	Measure Freqs & Semilog Plots	Memos Team Documents	<b>Ch. 2</b>	Lab 2	Measuring Music Freqs	Memos: Forewords and Summaries	<b>(lab 1 results at latest)</b> <b>Personal essay (Tue)</b> <b>Lab 2 reading q</b>	20 4	lecture canvas	indiv indiv
<b>Sep 22-28</b>	Project 1 Specs: Tone Synthesizer and Transcriber	Oral Presentations & Writing Strategies	<b>Ch. 8</b>	Proj 1	Synthesizer Transcriber	Memos: Practice	<b>Lab 2 results</b> <b>Memo 1</b> <b>P1 team docs</b> <b>P1 reading q</b>	40 40 40 4	lab disc disc canvas	indiv indiv team indiv
<b>Sep 29 - Oct 5</b>	Content Developm. Research Reviews	Matlab's fft and Spectrogram I	<b>Ch. 7</b> <b>App. A</b>	None	None	Project 1: Oral Presentation	<b>P1 oral</b> <b>HW 1 (Tue)</b>	50 25	disc lecture	team indiv
<b>Oct 6-12</b>	Matlab's fft and Spectrogram II	Spectrogram III		Lab 3	Spectra and Spectrogram	Memo quiz	<b>HW2 (Thu)</b> <b>Lab 3 reading q</b>	25 60 4	disc lecture canvas	indiv indiv indiv
<b>Oct 13-19</b>	Ethics/Teamwork	Review		Lab3	Spectra and Spectrogram	Engin. Ethics	<b>Memo 2: research</b> <b>HW3 (Thu)</b>	50 30	disc lecture	indiv indiv
<b>Oct 20-26</b>	<b>(Fall break)</b>	<b>EXAM 1</b>		None	None***	None***	<b>Exam 1</b>	100	prof	indiv
<b>Oct 27- Nov 2</b>	Project 2 Specs: Touch-tone Phone (Preview Project 3)	Proposals Graphics	<b>Ch. 4</b> <b>App. C</b>	Proj 2	Touch-tone Project Work	Graphics & Presentations	<b>Lab 3 results</b> <b>P2 reading q</b>	50 2	lab canvas	indiv indiv
<b>Nov 3-9</b>	Project 3 Specs: Music Synthesizer and Transcriber	Advanced Oral Presentations	<b>Ch. 8</b>	Proj 3	Pitch project ideas	Writ. Strategies Netiquette	<b>P2 report</b> <b>P2 peer eval</b> <b>HW4 (Thu)</b>	50 10 65	lab disc lecture	team indiv indiv
<b>Nov 10-16</b>	Synthesizer methods	Formal Reports	<b>Ch. 6</b> <b>App. F</b>	Proj 3	P3 work	Writ. Strategies Exec. Summary	<b>P3 proposal</b>	40	disc	team
<b>Nov 17-23</b>	Transcriber methods P3 help	Exec. Summary Progress reports		Proj 3	P3 work	Review: Draft Oral Present.				
<b>Nov. 24-30</b>	P3 help	Thanksgiving		None	None					
<b>Dec 1-7</b>	Exam review P3 help	Exec Summ Peer Re		Proj 3	P3 work	Presentation Rehearsals	<b>P3 prog report and draft exec. summ.</b> <b>P3 draft oral</b>	60 10	disc disc	team team
<b>Dec 8-14</b>	Project 3 Presentations (4)	Project 3 Presentations (2) Exam review		None	Report Work	Fri Disc. P3 Presentations (?)	<b>P3 peer eval</b> <b>P3 oral final</b>	10 100	disc prof	indiv team
<b>Dec 15</b>	(study day)						<b>P3 final report (Thu. Dec. 17 by 4PM)</b>	150	prof	team
<b>Dec 17</b>		<b>EXAM 2</b> <b>Thu. 4-6 PM</b> <b>Room TBD</b>						200	prof	indiv
* Topics for class and discussions subject to change.							course evaluations	10	online	indiv
** Lab/project 'reading questions' are due 24 hours before each lab begins.							Lab participation	15		indiv
*** The Monday Oct. 19 lab & discussion will be held Oct. 26							Disc. participation	20		indiv
							Total points:	1302		