

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: MUC 1301

COURSE TITLE: Introduction to Electronic Music

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 3

CONTACT HOUR BREAKDOWN:

 Lecture/Lab: 3

 Laboratory:

 Other _____:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE
ALLOCATION: 20

CATALOG COURSE DESCRIPTION:

The purpose of this course is to develop a thorough knowledge of basic audio concepts, basic subtractive synthesis, MIDI and fundamental MIDI sequencing. All areas of knowledge will be applied to practical applications through project oriented assignments. Minimal music reading / piano skills and basic Macintosh computer skills required.

SUGGESTED TEXT(S): TBA - Replacement in process.

IMPLEMENTATION DATE: November 14, 1987

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Spring Term, 2005 (20052)
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Basic Audio Topics	6
A. Pitch	
B. Volume	
C. Tone	
II. Synth 1: Basics of Subtractive Synthesis	3
III. MIDI 1: Basic MIDI Concepts - Message types	3
IV. Synth 2: Basic Sound Source Concepts	3
A. Oscillators: Waveform Selection	
B. Tuning Parameters /	
C. Noise Generators /	
D. Noise types	
V. MIDI 2: Channel Voice Messages	3
A. Note On	
B. Note Off	
C. Pitch Bend	
D. Controllers	
E. Channel Aftertouch	
F. Key Aftertouch	
G. Program Change	
VI. Synth 3: Basic Amplifier Concepts	3
A. Level	
B. Triggers	
C. Gates	
D. Panning	
VII. MIDI 3: System Real Time Messages	3
A. MIDI Clock	
B. Active Sensing	
C. System Reset	
D. Start / Stop / Continue	
E. System Common Messages	
F. MTC / Song Select / Song / Position Pointer /Tune Request	

COURSE TOPICS (continued)	CONTACT HOURS <u>PER TOPIC</u>
VIII. Synth 4: Basic Filter Concepts - Filter Types / Cutoff Freq / Resonance	3
IX. MIDI 4: System Exclusive Messages / MMC	3
X. Synth 5: Basic Controllers A. LFO B. Envelope Generator C. Keyboard Tracking	3
XI. MIDI 5: General MIDI / MIDI Connections	3
XII. Synth 6: Basic of Sound Design	3
XIII. MIDI 6: Basic Sequencing	6
Total 45	



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<i>Section 1</i>	
COURSE PREFIX AND NUMBER: MUC 1301	SEMESTER CREDIT HOURS: 3
COURSE TITLE: Introduction to Electronic Music	

Section 2

TYPE OF COURSE: (Click on the box to check all that apply)

<input checked="" type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)

INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communication	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4

INTELLECTUAL COMPETENCIES:

<input type="checkbox"/> Reading	<input type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input checked="" type="checkbox"/> Scientific Method of Inquiry
<input type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<i>Section 5</i>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
• Students Will:	Written tests
• Know basic audio terminology and concepts	Graded projects
• Understand MIDI computer language and its application	
• Understand basic synthesizer components and their operation	
• Be able to perform fundamental sound creation strategies	
• Be able to perform computer sequencing techniques	
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Section 6

Name of Person Completing This Form: Professor Steven Smith