

### Course Outline

**COURSE:** MUS 16A                      **DIVISION:** 10                      **ALSO LISTED AS:**

**TERM EFFECTIVE:** Spring 2015    **CURRICULUM APPROVAL DATE:** 10/27/2014

**SHORT TITLE:** INTRO RECORDING TECHNIQUES

**LONG TITLE:** Introduction to Audio Recording Techniques

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
3	18	Lecture:	3	54
		Lab:	0	0
		Other:	0	0
		Total:	3	54

**COURSE DESCRIPTION:**

Survey of basic audio recording techniques and materials including acoustics, signal flow, block diagrams, cue systems, punch-ins, microphones and mic placement, frequency response, reverb, delay and outboard effects, stereo mixing, pre-mixing and actual recording.

**PREREQUISITES:**

**COREQUISITES:**

**CREDIT STATUS:** D - Credit - Degree Applicable

**GRADING MODES**

L - Standard Letter Grade

**REPEATABILITY:** N - Course may not be repeated

**SCHEDULE TYPES:**

02 - Lecture and/or discussion

**STUDENT LEARNING OUTCOMES:**

1. The student will demonstrate the ability to analyze information and control processing of input signal.

Measure: Recording Production

PLO: 1, 3,

ILO: 2,7,3

GE-LO: c2, f2

Year assessed or anticipated year of assessment: 2013

2. The student will demonstrate and understanding of the acoustics of sound and music, and how to control acoustical elements.

Measure: Recording Production

PLO: 1, 3

ILO: 1,7

GE-LO: c2, f2

Year assessed or anticipated year of assessment: 2013

3. Students will develop specific technical skills related to home or professional recording.

Measure: Recording Production

PLO: 1, 3

ILO: 1,4,7,3

GE-LO: c2

Year assessed or anticipated year of assessment: 2013

4. Demonstrate ability to operate in a professional studio environment.

Measure: Recording Production

PLO: 1,3

ILO: 7,3,4

GE-LO: c2

Year assessed or anticipated year of assessment: 2013

#### PROGRAM LEARNING OUTCOMES:

1) Listen, identify, and work conceptually with the elements of music: rhythm, harmony, melody, and structure.

2) Demonstrate proficiency in areas of performance appropriate to his/ her needs and interests, including historical and modern music

3) Identify styles of music, including historical periods, composers, performers, stylistic traits, cultural influences and performance practices.

4) Operate recording studio equipment using live and taped performance.

5) demonstrate basic proficiency in reading and writing of music notation.

#### **CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS**

Curriculum Approval Date: 10/27/2014

5 Hours

Introduction. Identification of basic equipment.

Home work: reading assignments.

Objectives: Students will read textbook, handouts. Students will discuss handout info, the textbook and be able to identify the basic equipment for recording

10 Hours

I Mixing Console, Monitor System, Signal Processors Signal flow and reading block diagrams

.Microphones: dynamic, condenser, input/repro

our of class assignments: Read chapters in the book and prepare a visual diagram of the equipment to be placed in a journal. Take home test.

Objectives: Students will demonstrate knowledge of equipment through class discussions. Hands on demonstrations and engage in problem solving topics with regards to mic selection. Students will illustrate the ability to operate mixing consoles, monitor systems and signal processors.

10 Hours

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Cue System. Punch-ins. Record Guitar Solo. Alternate ways of monitoring signals (sourceMic Placement. Frequency Response. Record/

Home work: Read chapter from the book and research the area for musicians willing to come in a record a guitar solo.

Objectives: Students will discuss the readings in class. They will begin the first step, using a hands on approach to recording. Students will have the opportunity to practice in the lab how to record, cue, and punch in guitar solos.

Students will then REVIEW AND take a MIDTERM EXAMINATION.

10 Hours

Record vocals and solo instrument. Live and studio Direct input instruments: electric bass, guitar, Home work. Students will be asked to research in the library the different techniques on how to record vocals and solo instrument. Students will also read supplemental reading material in regards to live recording versus direct recording.

Objective: Students will be able to identify the best options based on factors such as environment, equipment to determine what technique to use in recording voice and solo instruments. Recording will be done using both techniques and later analyzed by the class to determine the best results.

5 Hours

Record all direct ensemble in commercial style. Basic stereo micing. Record choral group. Recording band with acoustic drums. Overhead micing, stereo mix, close Pre-mixing and assignment of instruments.

5 Hours

Home work: Students will be asked to prepare pre-mixing assignments for a ensemble to be recorded. In addition, students must make arrangements with a band or the Gavilan music ensemble to be recorded

Objective: Students will able to schedule and operate an entire recording session using a full ensemble. Students must be able to demonstrate the ability to properly diagram instrument assignments, use proper mic placement including the use of stereo mixing.

5 Hours

Reverb. Equalization. Delay units. Studio monitoring. Electronic effects.

Homework. Reading assignments

Objective: Students will recall the different functions of reverb, equalization and delay units. In addition, students will demonstrate how do add reverb, equalization and delay to final tracks.

## **METHODS OF INSTRUCTION:**

Lecture

## **METHODS OF EVALUATION:**

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 40 % to 60 %

Written Homework

Lab Reports

Essay Exams

Term or Other Papers

CATEGORY 2 -The problem-solving assignments required:

Percent range of total grade: 20 % to 30 %

Homework Problems

Quizzes

Exams

CATEGORY 3 -The types of skill demonstrations required:

Percent range of total grade: 40 % to 60 %

Field Work

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 10 % to 20 %

Multiple Choice

True/False

Matching Items

Other: performance

**REPRESENTATIVE TEXTBOOKS:**

Required:

Bruce Bartlett. Practical Recording Techniques. Waltham, MA: Focal Press, 2013. Or other appropriate college level text.

ISBN: 9781136125331

Reading level of text, Grade: 13 Verified by: M. Amirkhanian

**ARTICULATION and CERTIFICATE INFORMATION**

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 200970

UC TRANSFER:

Not Transferable

**SUPPLEMENTAL DATA:**

Basic Skills: N

Classification: A

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department: MUS  
CSU Crosswalk Course Number: 16A  
Prior to College Level: Y  
Non Credit Enhanced Funding: N  
Funding Agency Code: Y  
In-Service: N  
Occupational Course: E  
Maximum Hours:  
Minimum Hours:  
Course Control Number: CCC000506214  
Sports/Physical Education Course: N  
Taxonomy of Program: 100400