Douglas College

EFFECTIVE: SEPTEMBER 2011
CURRICULUM GUIDELINES

A.	Division:	**Education**	Effective Date:	**September 2011**		
B.	Department / Program Area:	**LANGUAGE, LITERATURE AND PERFORMING ARTS / MUSIC**	Revision		New Course	**X**
			If Revision, Section(s) Revised:			
			Date of Previous Revision:			
			Date of Current Revision:			

C: **MUSC 3285** **D**: **Studio Setup and Maintenance** **E:** **2**

Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:

Through lecture/demonstrations and hands-on studio work, students will learn the basic concepts necessary to set up and maintain a project recording studio or school technology lab. Topics covered will include room acoustics and treatment, equipment choice and installation, wiring and doing basic maintenance. An introduction to large studio issues will also be offered.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Classroom related

Number of Contact Hours: (per week / semester for each descriptor)

3

Number of Weeks per Semester:

15

H: Course Prerequisites:

Music Technology Certificate program entrance or permission of instructor

I: Course Corequisites:

None

J: Course for which this Course is a Prerequisite

None

K: Maximum Class Size:

16

L: PLEASE INDICATE**:**

	Non-Credit
	College Credit Non-Transfer
X	College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)

M: Course Objectives / Learning Outcomes

Through lecture/demonstrations and hands-on studio work, students will learn the basic concepts necessary to set up and maintain a project recording studio. Topics covered will include room acoustics and treatment, equipment choice and installation, wiring and doing basic maintenance. An introduction to large studio issues will also be offered.

On successful completion of the course students will be able to setup and maintain a typical project studio. Students will be able to understand and apply the following:

1. Choosing the space
2. Acoustical considerations
3. Soundproofing
4. Equipment placement
5. Equipment choice
6. Acoustical treatment
7. Wiring and connections
8. Maintaining equipment
9. Maintaining a technology lab
10. Introduction to large studio design

N: Course Content:

1. Choosing the space: bedroom, basement, garage, classroom or new construction.
2. Acoustical considerations: ceiling height, room volume, and ideal proportions.
3. Soundproofing: STC, construction techniques and HVAC considerations.
4. Equipment placement: ergonomics and ideal sound reproduction.
5. Equipment choice: computer platform, microphones, preamps, hardware versus software recording, mixing and effects.
6. Acoustical treatment: Sabine's Law, reflective and absorptive surfaces, diffusion, wall treatments and bass traps.
7. Wiring and connections: proper interconnection, power supply, grounding of studio gear.
8. Maintaining equipment: basic soldering and repair techniques.
9. Special issues pertaining to technology labs: networking, security, lab management software.
10. Introduction to large studio design: acoustics, patch bays and studio interconnect systems.

O: Methods of Instruction

Lecture/demonstration. Students will work alongside the instructor, either in the large studio or Technology Lab. Students will be expected to complete regular assignments and projects outside of class time. These can be done in the lab, the studio, or at home.

P: Textbooks and Materials to be Purchased by Students

F. Alton Everest: *How to Build A Small Budget Recording Studio From Scratch: With 12 Tested Designs*

Q: Means of Assessment

Tests/Quizzes (minimum of 2):	30%
Midterm Project:	30%
Final Project:	40% *
Total:	100%

* The Final Project constitutes one component of the graduation portfolio requirement.

R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR This course is open for PLAR.

Course Designer(s): Blair Fisher	Education Council / Curriculum Committee Representative
Dean / Director	Registrar