Douglas College

A.	Division:	**INSTRUCTIONAL**	Effective Date:	**September, 2004**

B.	Department / Program Area:	**LANGUAGE, LITERATURE & PERFORMING ARTS**	Revision	**X**	New Course	

If Revision, Section(s) Revised: **D, F, H, M, N, O, P, Q, R**
Date of Previous Revision: **February 15, 1996**
Date of Current Revision: **October 25, 2003**

C:	**D**:	**E:**
MUSC 1182	**INTRODUCTION TO MUSIC TECHNOLOGY**	**2**
Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:

An introduction to the computer music experience. Through lecture/demonstrations and hands-on lab work students will learn the fundamental theories and techniques of contemporary music technology. Topics will include sequencing and notation software for composers and arrangers; accompaniment software for singing, playing and improvising; computer-assisted instruction in music; web techniques for musicians; live sound and recording techniques.

No prior experience with computers or music technology is assumed.

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

Primary Methods of Instructional Delivery and/or Learning Settings:

Classroom Related
Individual Learning

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

Classroom Related – 2 hr/week
Individual Learning – 1 hr/week

Number of Weeks per Semester:
15

H: Course Prerequisites:

UT Music Entrance or Permission of Instructor

I: Course Corequisites:

None

J: Course for which this Course is a Prerequisite

None

K: Maximum Class Size:

12

L: PLEASE INDICATE**:**

	Non-Credit					
	College Credit Non-Transfer					
X	College Credit Transfer:	Requested	**X**	Granted		

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bccat.bc.ca)

M: Course Objectives / Learning Outcomes

Through lecture/demonstrations and hands-on lab work, students will learn the basic theoretical and practical applications of music technology. Emphasis will be placed on the creative and artistic use of these tools. Due to the continually evolving nature of technology, students will be expected to demonstrate an understanding of the basic concepts common to all music software and hardware, and the ability to transfer their knowledge and skills to new situations.

On successful completion of the course students will be able to work effectively with all major types of music hardware and software, and to demonstrate:

1. a knowledge of important developments in the history of music technology, along with an appreciation of current trends
2. proficiency in general computer techniques, including operating systems, file management, storage options, and musical uses for non-music specific software
3. the ability to use sequencing, notation, computer-assisted instruction, and accompaniment software.
4. an understanding of basic concepts of MIDI, sound synthesis and sampling, and the ability to apply this knowledge in setting up and maintaining a personal or school-based studio or lab
5. the ability to make use of internet resources and to create personal web pages
6. the ability to use sound reinforcement and recording equipment
7. creative and inventive uses of the techniques learned in this course.

N: Course Content:

1. A brief history of technology in music.
2. Basic categories of software and their role in music teaching, learning, composition and performance.
3. General computer techniques, including operating systems, file management, and storage options.
4. The use of non-music specific software, such as database, word processing and calendar applications.
5. Setting up and troubleshooting a typical computer-based music system.
6. Music and the Internet.
7. Basic concepts of MIDI, sound synthesis and sampling.
8. Introduction to music sequencing software.
9. Introduction to music notation software.
10. Introduction to computer-assisted instruction in music.
11. The use of accompaniment software for singers, instrumentalists and improvisers.
12. Sound reinforcement techniques, including microphones, mixers, amplifiers and speakers.
13. Basic recording techniques, including microphones, recording media and compression techniques.
14. Introduction to multi-track recording, including tape-based and hard disk techniques.
15. Creative manipulation of sound, from *Musique Concrète* to current integrated music software.
16. Multimedia and web authoring software.
17. Setting up a personal or school music technology studio or lab.
18. Future directions in music technology.

O: Methods of Instruction

The instructor will devote two hours per week to lecture/demonstration. One hour per week will be spent working on lab assignments under the supervision of the instructor. Students will be expected to complete regular assignments and projects outside of class time. These can be done in the lab (3220) or at home.

P: Textbooks and Materials to be Purchased by Students

No texts or materials are required. All required hardware and software for the completion of assignments and projects is available in the lab (3220). Wherever possible, inexpensive cross-platform (Mac and PC) software is used in this course. Students who wish to work outside the lab may want to purchase or download their own copies of the software used in class. A complete list of recommended software will be available at the first class session.

Q: Means of Assessment

Assignments (minimum of 3):	30%
Quizzes (minimum of 4):	20%
Midterm Project:	20%
Final Project:	30%
Total:	100%

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

This course is open for PLAR.

Course Designer(s)

Education Council / Curriculum Committee Representative

Dean / Director

Registrar