

JEFFERSON COLLEGE

Course Syllabus

MSC105

Introduction to Music Technology

1 Credit Hour

**Prepared by:
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**Arts and Science Education
Dr. Mindy Selsor, Dean**

MSC105 - Introduction to Music Technology

I. Catalogue Description:

A. Prerequisite and/or Corequisite:

Music Theory or Fundamentals of Music or Permission of the Instructor

B. Credit:

The course will be one credit hour.

C. Description:

Introduction to Music Technology introduces the use of music notation software which will be used throughout the student's course work; music accompaniment software; and to develop an understanding of music through composition and arranging. (F)

II. Course General Objectives

Upon completion of the course the student will be able to:

- A. gain greater understanding of technology in music and a working knowledge of music technology.
- B. demonstrate knowledge and practice of notation software and MIDI.
- C. develop creative projects (music compositions/arrangements).
- D. facilitate and incorporate accompaniment software.
- E. develop and enhance computer skills.
- F. demonstrate standards of music publication.

III. Course Outline

- A. Introduction to the Computer, MIDI and Playback
- B. Staff Development, Notation Entry, and the Percussion Map
- C. Staff Expressions, Articulations, and Smart Shapes
- D. Repeats

- E. Mass Mover Tools and Notation Adjustment
- F. Measure Tool, Key Signature Tool, Time Signature Tool
- G. Page layout and part extraction
- H. Developing the Melody
- I. Harmonization of the Melody and the Bass Line
- J. Developing the Countermelody
- K. Using Smart Music and Your Accompaniments
- L. Music Composition Layout and Performance

IV. Unit Objectives

A. Introduction to the Computer, MIDI and Playback

1. The computer and technology
2. What is MIDI?
3. MIDI Sounds and Sequencing
4. MIDI playback
5. How to use FINALE®
6. Video Tutorials
7. How to use the built in encyclopedia

B. Staff Development, Notation Entry, and the Percussion Map

1. Using the staff wizard
2. Using predefined templates
3. Entering notation
 - a. Simple note entry
 - b. Speedy note entry
 - c. Keyboard entry
4. Setting up the percussion map

C. Staff Expressions, Articulations, and Smart Shapes

1. Using the staff expression tool with dynamics and terms
2. Creating and setting the playback features of the expressions
3. Using the articulation tool - accents, staccatos, and others
4. Creating and setting the playback features of the articulations
5. Using smart shapes
6. Creating and setting slurs, crescendos, decrescendos, trills

D. Repeats

1. Using the repeat tools
2. Setting repeat tool playback features

E. Mass Mover Tools and Notation Adjustment

1. Using the mass mover tool to move within a section
2. Using copy and paste to move and duplicate sections
3. Adjusting notation within the measure

F. Measure Tool, Key Signature Tool, Time Signature Tool

1. Using the measure tool to add and delete measures
2. How to create multiple measure rests
3. Creating measure numbers for staff and parts
4. Using the key signature tool to change keys
5. Using the time signature tool to change meter
6. How to create compound time signatures

G. Page layout and part extraction

1. Setting up page dimensions
2. Setting print percentage
3. Creating titles, page numbers using the text tool
4. How to set the page template for part extraction

H. Developing the Melody

1. Using music fundamentals to develop a melody
2. How melodic contour affects melodic outcome
 - a. stepwise motion
 - b. skips and leaps
3. Developing the melodic phrase

I. Harmonization of the Melody and the Bass Line

1. How to determine chords for harmonization
2. Harmonizing a simple melody
3. Developing the bass line
4. Using chord inversions, secondary dominants to harmonize
5. Harmonizing a self composed melody
6. Using the non-harmonic tones
7. Creating the four part chorale

K. Using Smart Music® and Your Accompaniments

1. Introduction to operating Smart Music®
2. Developing a solo composition with accompaniment
3. Using the accompaniment with Smart Music®

L. Music Composition Layout and Performance

1. Creating a final product
2. Using Finale® for desktop publishing
3. Printing a score and parts
4. Using MIDI for performance

V. Methods of Instruction

- A. Classroom lectures
- B. Video tutorials
- C. Practice sets
- D. Individual practice with instructor supervision
- E. Projects

VI. Required Textbooks/Software

- A. Textbook - (purchased by student)
- B. Software - (optional student purchase)
 1. Finale Notation Software
 2. Smart Music - Accompaniment Software