# MUSC 146
# MIDI and Music Production Techniques
3 Credits

# Community College of Baltimore County
# Common Course Outline

## Description

**MUSC 146 – MIDI and Music Production Techniques:** provides instruction in the theories and practical applications of the Musical Instrument Digital Interface (MIDI) in music production.

**Pre-requisites: MUSC 116 or consent of instructor**
**Co-requisites:** MUSC 143

## Overall Course Objectives

Upon completion of this course, students will be able to:

1. Operate and program digital synthesizers and signal processors, and employ computers and software in the completion of creative projects;
2. Apply knowledge and skills relating to "producing" a recorded performance in the completion of studio project assignments;
3. Use appropriate terminology of electronic music and commercial music in the articulation of ideas and concepts;
4. Perform formal analyses of popular songs in various genres and from various decades;
5. Demonstrate consumer knowledge relating to the selection, purchase, use and maintenance of electronic music-related hardware and software; for personal use, classroom application, or for use in a commercial music production facility;
6. Evaluate the aesthetics of MIDI, recognizing the possibilities and limitations of the medium;
7. Analyze popular songs in various genres and from various decades regarding form and production technique; and
8. Proficiently evaluate recorded performances, and articulate with facility the technical and artistic elements, strengths, and weaknesses.

## Major Topics
I.   Principles of acoustics, understanding the behavior of sound
II.  The history electronic music
III. Theories of analog and digital sound synthesis
IV.  The Music Instrument Digital Interface
    a. Equipment
    b. Connections/interfaces
    c. Messages
    d. Software and hardware

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For more information, see your professor's syllabus.

     e.  MIDI sequencing and editing
     f.  Synchronizing MIDI and other equipment
     g.  Integrating MIDI with video and multimedia
     h.  Integrating MIDI and analog or digital audio
  V.  Adding signal processing to MIDI tracks
  VI.  Musical instrument and vocal ranges and characteristics
  VII.  Terminology and jargon specific to music production and the music industry
  VIII.  Theories and applications in analog and digital sound recording
  IX.  Aesthetic and ethical practices in electronic music and music production
  X.  Working on spec/working for hire
  XI.  Completion of music production projects including
     a.  Popular songs
     b.  Video/film scoring and soundtracks
     c.  Commercials/jingles
     d.  multimedia

## Course Requirements

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities, and preparing for tests.  Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- Class attendance
- Participation in classroom activities and discussions
- Completion of classroom and homework assignments and tasks
- Written evaluations
- Quality of music production projects including
  - Popular songs
  - Video/film scoring and soundtracks
  - Commercials/jingles
  - Multimedia

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

## Other Course Information

This course is required for the 30-credit certificate in Music Production and Audio Recording Technology

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes, and skills appropriate to various courses and programs. The assessment activities may take many different forms such as surveys, standardized or faculty-developed tests, discussion groups or portfolio evaluations. We ask that you take

these activities seriously so that we can obtain valid data to use for the continuous improvement of CCBC's courses and programs.

Date Revised: 1/6/2003

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