COURSE NAME:	DCM240 Sound Production I
Credit Value:	3
Total Course Hours:	42
Prerequisite Course(s):	None
Corequisite Course(s):	None

COURSE DESCRIPTION

This course will provide an introduction to sound production as it pertains to digital cinema and media. Students will explore introductory concepts of digital audio theory and develop an understanding of the aesthetics of sound in video productions while working with industry specific hardware and software to record and edit sync and non-sync location sound.

LAND ACKNOWLEDGEMENT

Canadore College resides on the traditional territory of the Anishinaabeg and within lands protected by the Robinson Huron Treaty of 1850. This land is occupied by the people of Nipissing First Nation since time immemorial.

PLAR INFORMATION

This course is eligible for Prior Learning Assessment and Recognition. Students are advised to discuss options with their program coordinator.

COURSE LEARNING OUTCOMES

Upon completion of this course, the student will have reliably demonstrated the ability to:

1.0 Explain basic concepts of digital audio theory and sound design.

- 1.1 Define the fundamental physics of sound.
- 1.2 Differentiate between analog and digital signals.
- 1.3 Analyze relationship of sample rates and bit rates as they apply to working with and manipulating digital audio.
- 1.4 Identify the importance of clocking, metering and headroom in the digital audio environment.
- 1.5 Differentiate between the various metering scales used in digital cinema production.
- 1.6 Demonstrate an understanding of signal-to-noise ratio.

2.0 Use industry standard audio editing software programs with video.

- 2.1 Describe the editing tools available in both standard video editing software and standard audio editing software.
- 2.2 Describe the importance of file management processes within audio editing software.
- 2.3 Define the roles and applications of the various editing modes in standard audio editing software.
- 2.4 Identify steps involved in creating audio editing sessions (including setting up windows and rulers.)
- 2.5 Prepare an audio editing session using basic digital audio recording and audio/video importing.
- 2.6 Apply digital audio theory to editing and mixing tasks using audio editing software.
- 2.7 Demonstrate file saving, sharing and archiving techniques used in standard audio editing software.
- 2.8 Demonstrate a "Roundtrip" of a project from standard video editing software into standard audio editing software and back.
- 2.9 Export separate audio stems from standard audio editing software.

3.0 Discuss the role of sound in the art of cinema production.

- 3.1 Critically analyze the sound design aesthetics and music elements of an existing

film.

3.2 Differentiate between the psychologies of sounds perception vs. image perception in film.

3.3 Discuss the timing and placement of music in a short film.

3.4 Demonstrate sound mixing and file structuring in the exporting of STEMS for a film or video project.

4.0 Apply sound design skills to create cinematic productions.

4.1 Apply sound editing techniques to a short film project using the audio tools in video editing software.

4.2 Source sound effects from sound libraries and appropriately place them on a timeline.

4.3 Understand the use of audio effects filters in video editing software and standard audio editing software.

4.4 Implement compression and frequency equalization to enhance an audio clip.

4.5 Apply audio effects to dialogue and sound effects clips.

4.6 Apply dimensional shaping of sound using EQs.

4.7 Demonstrate an understanding of the difference between audio editing and sound mixing.

5.0 Discuss copyright as it pertains to the use of music and sound in film and television productions.

5.1 Discuss music rights and copyright in film, web, and television production.

5.2 Understand Creative Commons and alternative licensing options for music and sound effects in independent productions.

6.0 Demonstrate technical proficiency in field sound recording.

6.1 Demonstrate the ability to calibrate input gain and headphone volume on a field sound recording device using -12db of tone.

6.2 Employ the proper use of multiple field sound recording devices.

6.3 Achieve acceptable signal-to-noise ratios through mic placement and site prep using different microphones including lavaliers.

GENERAL EDUCATION

This is not a General Education course.

PROGRAM OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved program learning outcomes (PLO):

Broadcasting- Television

1. Operate industry standard production equipment, in studio and on location, to create television, video and/or web content for multiple platforms.

2. Deliver television, video and digital or web content via multiple platforms in formats that meet current broadcast industry standards.

4. Monitor and maintain the technical quality of productions during recording and broadcasts using resources, equipment and protocols which meet with industry standards.

5. Participate in marketing activities to promote independent productions and/or a station's brand and products.

9. Conduct work safely in accordance with all applicable acts, regulations, legislation, and codes to ensure personal and public safety.

10. Use a variety of post-production skills and techniques to enhance and complete television, digital, web and/or video productions.

Digital Cinematography

2. Select and use best practices and tools to design and develop dynamic, rich-media content.
3. Assess the requirements of a complex interactive media project.
6. Apply practical experience acquired, to work independently and collaboratively in the high- pressure creative and production environments of the film and video production Industry.
9. Select and use creative and critical thinking techniques in the effective design, development and implementation of a complex interactive media project.

Digital Media

2. Conduct research and client/user interviews to identify brand and audience needs for multimedia content development.
3. Plan and design digital media content across web and social platforms to maintain brand integrity and drive audience engagement.

ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved essential employability skills (EES) outcomes:

1. Communicate clearly, concisely, and correctly in the written, spoken, and visual form that fulfils the purpose and meets the needs of the audience.
2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.
3. Execute mathematical operations accurately.
4. Apply a systematic approach to solve problems.
5. Use a variety of thinking skills to anticipate and solve problems.
6. Locate, select, organize, and document information using appropriate technology and information systems.
7. Analyse, evaluate, and apply relevant information from a variety of sources.
8. Show respect for the diverse opinions, values, belief systems, and contributions of others.
9. Interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.
10. Manage the use of time and other resources to complete projects.
11. Take responsibility for one's own actions, decisions, and consequences.

EXTERNAL COURSE ACCREDITATIONS AND CONDITIONS

There are no external accreditations or conditions identified for this course.

COURSE EVALUATION

Evaluation Item	Weight
Tests	20
Location Sound Project	20
Sound Design Project	20
Sound Edit & Mix 1 - Lab Film	20
Sound Edit & Mix 2 - Sync Sound Film	20

COURSE PASS GRADE

50

GRADING SYSTEM

A+:	90-100%	B+:	77-79%	C+:	65-69%	D:	50-54%	S - Satisfactory
A:	85-89%	B:	73-76%	C:	60-64%	F:	0-49%	I - Incomplete
A-:	80-84%	B-:	70-72%	D+:	55-59%			F- Repeat Course, included in GPA
								FS- Failure Supplemental
								FR- Repeat course, excluded from GPA

*For a complete chart of grades and descriptions, please see the Grading Policy.

LEARNING RESOURCES

Course Textbooks:

Title:
Author:
Publisher:
Edition:
Print ISBN:
eBook ISBN:

Additional Learning Resources:

Required: Materials made available in-class and online.

Please see the Campus Bookstore to verify the current textbook costs and your program page for additional program fees and/or learning material requirements (see the "Tuition Fees" and "What You Need" sections).

Resources listed on the course outline support the achievement of learning outcomes, and may be used throughout the course to varying degrees depending on the instructor's teaching methodology and the nature of the resource.

Technology requirements - https://www.canadorecollege.ca/BYOD

The Harris Learning Library's staff can help you find resources to support your learning - https://www.canadorecollege.ca/harris-learning-library.

LEARNING ACTIVITIES

Computer and field-based technical learning and projects.

DELIVERY MODE

This course may be delivered, in whole or in part, in a number of modalities, including In-Person, Remote (synchronous and/or asynchronous), hybrid, or Hyflex, as per accreditation and/or regulatory standards where appropriate. This information is identified on the course schedule (student and faculty).

RECORDING GUIDELINES

This class may be recorded by faculty of the College. Faculty will inform students when recording of the class commences and ceases. 'Recorded' means that the audio-visual and chat portions of the class will be recorded and then be stored on the College or vendor provider server. They will be made available to students, but only for the express and sole use of those registered in this course. If you have any questions or concerns about this recording, please contact your instructor or the College's privacy officer at privacy.officer@canadorecollege.ca. Full recording guidelines can be found at: https://cdn.agilitycms.com/canadore-college/academic-centre-of-excellence/Canadore%20Recording%20Guidelines.pdf. Recordings are to be managed (or removed) as per the College's Recording Guidelines following the completion of the course.

ACADEMIC POLICIES

Canadore College is committed to the highest standards of academic integrity, and expects students to adhere to these standards as part of the learning process in all environments. The College's Academic Integrity policy seeks to ensure that all students understand their rights and responsibilities in upholding academic integrity and that students receive an accurate and fair assessment of their work. Please review the Academic Integrity policy (A-18) and other academic policies found on our website: https://www.canadorecollege.ca/about/policies.

COLLEGE POLICIES

- Protecting human rights in support of a respectful college community

For college policies please see: http://www.canadorecollege.ca/about-us/college-policies.

Accessibility Learning Services for Students with Disabilities - Student Success Services

Student Success Services provides comprehensive support to students. We aim to ensure that all students have equal access to educational opportunities and can succeed in their academic journey. Our services focus on reducing and eliminating barriers related to education through individualized accommodations and support. If you are a student with a disability, we encourage you to register with Accessible Learning by completing the Student Success – Accessible Learning Services Form (https://canadorecollege-accommodate.symplicity.com/public_accommodation/).

For more detailed information about the services offered, please visit our webpage: https://isucceed.canadorecollege.ca/students. To connect with Student Success Services email

studentsuccessnow@canadorecollege.ca or call 705.474.7600 ext 5205.

FIRST PEOPLES' CENTRE:

A culturally supportive and comfortable environment where you can study, socialize, and access a wide range of resources and confidential student focused services.

- Counselling services
- Elders on Campus and Cultural Advisors
- Cultural and Spiritual Wellness
- Peer tutoring/Peer Mentorship
- wholistic support network
- Social events and workshops on study skills, self-care & life skills

Drop by our offices at C254 College Drive, W103 Commerce Court or Call 705-474-7600 Ext. 5961

https://www.canadorecollege.ca/first-peoples-centre

WAIVER OF RESPONSIBILITY

Every attempt is made to ensure the accuracy of this information as of the date of publication. The college reserves the right to modify, change, add, or delete content.

HISTORICAL COURSE OUTLINES

Students use course outlines to support their learning. Students are responsible for retaining course outlines for future use in applications for transfer of credit to other educational institutions.

ADDITIONAL DISCLAIMER NOTE

ATTENDANCE, DEADLINES, AND ACCOMMODATIONS

Classroom attendance is essential for student success. Classroom attendance is monitored and will be a factor in the end of semester Promotions meeting review of students and academic appeals. Students are expected to write tests, perform hands on testing, and exams when scheduled. If extenuating circumstances arise that prevent the student from writing the test, hands-on testing, or exam, the student must notify the Professor prior to the scheduled assignment, test and/or exam. The Professor may make alternate arrangements, only if prior notification was received; otherwise, failure to notify faculty in advance will result in a zero for the assignment, test, or exam. The Professor may require students to provide confirmation of the reason for the absence such as compassionate leave, illness, or attendance at appointments from a health professional before the student is allowed to write the make-up test or exam. It is recommended that students with a student success profile (SSP) and accommodations check in with their Professors at the start of each semester to review necessary accommodations, including potential deadline extensions.

SOFTWARE and EQUIPMENT USAGE

SOFTWARE

All assignments and accompanying digital files must adhere to the guidelines outlined by the Professor or on the assignment sheet. Submission of work must be accessible through the College's media computer network (e.g. iLearn or Facilis). Project files incompatible with the College's current software configuration will not be accepted. It is highly recommended that all coursework be completed using College computers and software. Students opting to utilize personal computers for editing or mixing are responsible for ensuring software compatibility with the College's specifications and for submitting digital files through the College's media network. Please be mindful of software updates, as the College may periodically update its software offerings.

EQUIPMENT

Assignments must be completed using College-provided equipment. Students seeking to utilize personal equipment for assignments must obtain written approval from their Professors prior to project completion. The Professor will determine the suitability of personal equipment for the assignment. In cases where a student uses personal equipment without prior approval, and the Professor deems the equipment incompatible with the assignment's learning outcomes, the assignment will not be graded.