



9116
INTRODUCTION TO
BROADCAST MEDIA
TECHNOLOGY (10)

20S/20E/20M

A Broadcast Media Technology Course

9116: INTRODUCTION TO BROADCAST MEDIA TECHNOLOGY (10) 20S/20E/20M

Course Description

This course is designed for students who are interested in broadcast media. Students will be introduced to the tasks and equipment used in audio, video, and film production in a variety of projects. They will learn the basic skills, duties, and roles involved in the pre-production, production, and post-production of different types of media. They will also develop a stronger understanding of the importance of media in today's society.

Goal 1: Describe and apply appropriate **health and safety** practices.

GLO 1.1: Describe and apply appropriate **health and safety** practices.

- SLO 10.1.1.1: Follow safety practices when using tools, equipment, and materials.
 - SLO 10.1.1.2: Locate first aid stations and fire extinguishers.
 - SLO 10.1.1.3: Describe the reporting process for injuries.
 - SLO 10.1.1.4: Outline the safety principles for working on and around electrical cables.
 - SLO 10.1.1.5: Maintain a clean and organized work area.
 - SLO 10.1.1.6: Discuss risk factors and treatments related to hearing impairment.
 - SLO 10.1.1.7: Follow safe practices related to hearing.
-

GLO 1.2: Demonstrate an awareness of safety as it pertains to the *Trade Safety Awareness Manual*.

- SLO 10.1.2.1: Explain the importance of trade safety and health in reducing injuries and fatalities to young employees in Manitoba. (TSA 1)
- SLO 10.1.2.2: Describe the rights and responsibilities of employees, employers, and supervisors under *The Workplace Safety and Health Act*. (TSA 2)
- SLO 10.1.2.3: Describe the steps to use in the Right to Refuse process. (TSA 3)
- SLO 10.1.2.4: Explain how and where to find information on workplace safety and health. (TSA 4)

- SLO 10.1.2.5: Demonstrate how to handle a potentially dangerous work situation. (TSA 5)
 - SLO 10.1.2.6: Explain the S.A.F.E. acronym. (TSA 6)
 - SLO 10.1.2.7: Define workplace safety and health hazards. (TSA 7)
 - SLO 10.1.2.8: Give examples of trade-specific workplace safety and health hazards. (TSA 8)
 - SLO 10.1.2.9: Give examples of five types of safety and health hazards. (TSA 9)
 - SLO 10.1.2.10: Define workplace safety and health risk. (TSA 10)
 - SLO 10.1.2.11: Give examples of trade-specific workplace safety and health risks. (TSA 11)
 - SLO 10.1.2.12: Explain the principles of hazard recognition and control as they apply to the specific trade. (TSA 12)
 - SLO 10.1.2.13: Explain the Workplace Hazardous Materials Information System (WHMIS). (TSA 13)
 - SLO 10.1.2.14: Match the WHMIS hazardous materials symbols and their meanings. (TSA 14)
 - SLO 10.1.2.15: Describe the importance of the Material Safety Data Sheets (MSDS). (TSA 15)
 - SLO 10.1.2.16: Describe the importance of using personal protective equipment (PPE). (TSA 16)
 - SLO 10.1.2.17: Demonstrate proper selection and use of a variety of personal protective equipment and fall protection systems. (TSA 17)
 - SLO 10.1.2.18: Outline the safety principles for working on and around electrical equipment. (TSA 18)
 - SLO 10.1.2.19: Outline workplace fire safety principles. (TSA 19)
 - SLO 10.1.2.20: Identify the hazards in confined spaces and the preparation needed to work in a confined space. (TSA 20)
-

Goal 2: Identify, select, adjust, operate, and manage **equipment, materials, and software.**

GLO 2.1: Identify, select, adjust, operate, and manage **equipment, materials, and software.**

SLO 10.2.1.1: Identify, select, adjust, operate, and manage equipment, materials, and software.

SLO 10.2.1.2: Adjust and operate a video camera.

SLO 10.2.1.3: Use and manage storage media.

SLO 10.2.1.4: Demonstrate familiarity with the basic capabilities of non-linear editing software.

GLO 2.2: Identify, select, set up, tear down, and manage **lighting equipment.**

SLO 10.2.2.1: Demonstrate an awareness of lighting requirements for video production.

Goal 3: Demonstrate an understanding of **broadcasting theory and media literacy.**

GLO 3.1: Demonstrate an understanding of **broadcasting theory.**

SLO 10.3.1.1: Demonstrate use of the terminology associated with broadcast media technology.

SLO 10.3.1.2: Demonstrate an understanding of the theory related to video production, including composition, focus procedures, and white balancing.

SLO 10.3.1.3: Demonstrate an understanding of the theory related to audio production, including recording techniques, sound levels, and microphone use.

SLO 10.3.1.4: Discuss the roles and responsibilities of each member of a field video production team, including the producer/director, videographer, editor, and audio field technician.

SLO 10.3.1.5: Discuss the roles and responsibilities of each member of a field audio production team, including the producer/director, editor, and audio field technician.

GLO 3.2: Demonstrate an understanding of **media literacy** as it pertains to broadcasting.

SLO 10.3.2.1: Define and discuss media literacy.

Goal 4: Demonstrate audio, video, and film **pre-production** knowledge and skills.

GLO 4.1: **Brainstorm** ideas for audio, video, and film productions.

SLO 10.4.1.1: Brainstorm ideas for audio, video, and film productions.

GLO 4.2: Write **scripts and interview questions** for audio, video, and film productions.

SLO 10.4.2.1: Write scripts for audio, video, and film productions.

GLO 4.3: **Create storyboards** for audio, video, and film productions.

SLO 10.4.3.1: Create storyboards for audio, video, and film productions.

GLO 4.4: Scout, select, and set up **locations** for audio, video, and film productions.

SLO 10.4.4.1: Scout and select locations for audio, video, and film productions.

Goal 5: Demonstrate audio, video, and film **production** knowledge and skills.

GLO 5.1: Demonstrate audio, video, and film **production** knowledge and skills.

SLO 10.5.1.1: Demonstrate the roles and responsibilities of each member of a field video production team, including the producer/director, videographer, video editor, and audio field technician.

SLO 10.5.1.2: Demonstrate the roles and responsibilities of each member of a field audio production team, including the producer/director, audio editor, and audio field technician.

Goal 6: Demonstrate audio, video, and film **post-production** knowledge and skills.

GLO 6.1: Demonstrate audio, video, and film **post-production** knowledge and skills.

SLO 10.6.1.1: Use editing software at an introductory level.

SLO 10.6.1.2: Discuss the need to critique and revise projects.

SLO 10.6.1.3: Save, back up, organize, and label electronic files.

SLO 10.6.1.4: Demonstrate an understanding of various categories of editing software and the purpose of each.

Goal 7: Demonstrate audio, video, and film **transmission** knowledge and skills.

GLO 7.1: Demonstrate audio, video, and film **transmission** knowledge and skills.

No applicable SLOs.

Goal 8: Describe and demonstrate transferable **cross-curricular** knowledge and skills as they relate to broadcasting.

GLO 8.1: Research, read, interpret, and communicate information related to broadcasting.

SLO 10.8.1.1: Follow language conventions when creating original text.

GLO 8.2: Apply knowledge and skills from **the arts** as they relate to broadcasting.

No applicable SLOs.

GLO 8.3: Apply knowledge and skills from **mathematics** and the **sciences** as they relate to broadcasting.

No applicable SLOs.

Goal 9: Demonstrate an awareness of **sustainability** as it pertains to broadcasting.

GLO 9.1: Describe the impact of **sustainability** on the **health and well-being** of those employed in broadcasting and their listeners and viewers.

SLO 10.9.1.1: Demonstrate ergonomically correct procedures to avoid injury (e.g., stress, strain).

SLO 10.9.1.2: Discuss the benefits of broadcast media for listeners and viewers.

GLO 9.2: Describe **sustainable business practices** within the broadcasting industry.

No applicable SLOs.

Goal 10: Demonstrate an awareness of **ethical and legal standards** as they pertain to broadcasting.

GLO 10.1: Demonstrate an awareness of **ethical and legal standards** as they pertain to broadcasting.

SLO 10.10.1.1: Define ethics and discuss how they relate to broadcast media.

SLO 10.10.1.2: Demonstrate an awareness of regulations affecting the broadcasting industry.

Goal 11: Demonstrate **employability skills**.

GLO 11.1: Demonstrate **fundamental employability skills**.

SLO 10.11.1.1: Demonstrate regular and punctual attendance.

SLO 10.11.1.2: Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.

SLO 10.11.1.3: Demonstrate accountability by taking responsibility for own actions.

SLO 10.11.1.4: Demonstrate adaptability, initiative, and effort.

SLO 10.11.1.5: Demonstrate teamwork skills.

SLO 10.11.1.6: Demonstrate the ability to stay on task and effectively use time in class and work environments.

SLO 10.11.1.7: Demonstrate the responsible use of technology.

GLO 11.2: Demonstrate an awareness of **cultural competency** and its importance in the workplace.

SLO 10.11.2.1: Define and discuss the meaning of culture.

SLO 10.11.2.2: Discuss the importance of culture in the workplace.

GLO 11.3: Demonstrate an understanding of the **business operation** of a broadcasting organization.

SLO 10.11.3.1: Discuss the importance of advertising and advertising revenue for media outlets.

GLO 11.4: Demonstrate **critical thinking skills**.

SLO 10.11.4.1: Discuss the need for critical thinking.

SLO 10.11.4.2: Discuss the need for problem-solving skills.

Goal 12: Demonstrate an understanding of the **broadcasting industry**.

GLO 12.1: Demonstrate an understanding of the **scope** of the broadcasting industry.

SLO 10.12.1.1: Demonstrate an understanding of the scope of the broadcasting industry.

GLO 12.2: Demonstrate an understanding of **educational and career opportunities** in the **broadcasting industry** and **professional associations**.

SLO 10.12.2.1: Demonstrate an understanding of the scope of careers in broadcasting.

GLO 12.3: Demonstrate an understanding of **working conditions** in the broadcasting industry.

SLO 10.12.3.1: Describe the working conditions related to various occupations in the broadcasting industry.

Goal 13: Demonstrate an awareness of the **evolution** of broadcasting, including its **technological progression** and **emerging trends**.

GLO 13.1: Describe the **evolution** of broadcasting, including its **technological progression** and **emerging trends**.

SLO 10.13.1.1: Describe the evolution of broadcasting, including its technological progression and emerging trends.
