

MULTIMEDIA APPLICATIONS

BS000013 (1st or 2nd Semester)

Grades 9, 10, 11, 12

½ Unit

Prerequisite: None

If you are interested in computers and are a creative person, this is where you want to start. Students will be introduced to multimedia functions including graphics, audio, video, and electronic presentation skills. Students will incorporate these advanced computer functions into a large variety of business and personal projects.

*This course can be taken to satisfy the ½ credit graduation requirement in computers.

Multimedia Applications CCO#1: Students will explore and apply the fundamentals of Desktop Publishing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#2: Students will explore and apply the fundamentals of digital manipulation and photo editing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#3: Students will explore and apply the fundamentals of video creation and video editing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#1: Students will explore and apply the fundamentals of Desktop Publishing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#1 – Essential Content and Skills

Students will learn about:

- A. Features
 - 1. toolbars
 - 2. palettes
 - 3. editing tools
- B. Layout
 - 1. margins
 - 2. columns
 - 3. guttering
 - 4. templates
- C. Text
 - 1. create text
 - 2. import
 - 3. attributes
- D. Printing

Multimedia Applications CCO#1 – Facilitating Activities

The students may:

- 1. produce a business card, letterhead and flyer for a business of choice. (3) (W, T)
- 2. create a newsletter that includes graphics and several font attributes that explains the benefits of using desktop publishing. (3, 5) (W, T)
- 3. create a personal family calendar that includes birthdays, holidays and anniversaries. (3) (T)
- 4. design and publish a web page for an on-line business. (3) (W, T)
- 5. label the menu items and toolbars of desktop publishing software and explain how they can be used. (1, 2) (T)
- 6. create word processing documents and spreadsheets to be imported into a desktop publishing document. (3) (W, T)
- 7. analyze and choose the best format for a given project. (4) (T)
- 8. create a newsletter that explains the elements of an effective presentation. (3) (T)
- 9. create an informational flyer for a topic of their choice. (3) (T)
- 10. develop a newspaper ready advertisement (3) (T)

Multimedia Applications CCO#1 – ALA

Students will create a desktop publishing brochure that includes the use of features, layout, text, and printing skills.

Multimedia Applications CCO#1 – ALA

Students will create a desktop publishing brochure that includes the use of features, layout, text, and printing skills.

Multimedia Applications CCO#1 – Scoring Guide

<u>Criteria</u>	<u>Excellent</u>	<u>Superior</u>	<u>Average</u>	<u>Needs Improve.</u>
Features	Toolbars, palettes, and editing tools are integrated such that reader interest is maximized	Toolbars, palettes, and editing tools are integrated such that reader interest is present	Toolbars, palette, and editing tools are occasionally integrated	Toolbars, palette, and editing tools are not used adequately
Layout	Margins, columns, guttering, and use of templates perfectly fit with theme and purpose of brochure	Margins, columns, guttering, and use of templates fit with theme and purpose of brochure	Margins, columns, guttering, and use of templates are used occasionally	Margins, columns, guttering, and use of templates are not used adequately
Text	Creation of text, importing, and attributes allow for ease of reading	Creation of text, importing, and attributes are evident	Creation of text, importing, and attributes are used occasionally	Creation of text, importing, and attributes are not used adequately
Printing	Use of printing features maximize visual appeal of printed brochure	Use of printing features provide visual appeal of printed brochure	Use of printing features provides some visual appeal of printed brochure	Use of printing features is not adequately used

Multimedia Applications CCO#2: Students will explore and apply the fundamentals of digital manipulation and photo editing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#2 – Essential Content and Skills

Students will learn about:

- A. Import images (e.g. online, galleries, scanner, digital camera)
- B. Manipulate images
 - 1. resize
 - 2. crop
 - 3. scale
 - 4. rotate
- C. Edit images
- D. Integrate images

Multimedia Applications CCO#2 – Facilitating Activities

The students may:

- 1. capture, edit and format images to be used in a multimedia presentation or on the web that will explain the operating procedures for a business (3) (W, T)
- 2. search the internet and import pictures to be used in a presentation or advertisement (2, 3) (T)
- 3. import pictures to create a slideshow with multiple transitions and music that describes their favorite activity or place (3) (T)
- 4. take a digital picture of a friend, family member or pet and edit to be used in a poster (3) (T)
- 5. utilize photo editing elements to create and combine two images into one that shows themselves in a country or situation that they have never visited (3) (T)

Multimedia Applications CCO#2 – ALA

Students will produce a multimedia presentation in which they import, manipulate, and edit images.

Multimedia Applications CCO#2 – ALA

Students will produce a multimedia presentation in which they import, manipulate, and edit images.

Multimedia Applications CCO#2 – Scoring Guide

<u>Criteria</u>	<u>Excellent</u>	<u>Superior</u>	<u>Average</u>	<u>Needs Improve.</u>
Import Images	Use of online sources, galleries, scanner, and digital camera result in excellent pictorial description	Use of online sources, galleries, scanner, and digital camera result in good pictorial description	Use of online sources, galleries, scanner, and digital camera result in used occasionally to provide a pictorial description	Use of online sources, galleries, scanner, and digital camera is not adequate
Manipulate Images	Resizing, cropping, scaling, and rotating of images result in professional appearance	Resizing, cropping, scaling, and rotating of images result in good appearance	Resizing, cropping, scaling, and rotating of images is used occasionally	Resizing, cropping, scaling, and rotating of images is not adequate
Edit Images	Editing of images customizes them to perfectly complement the theme and purpose of presentation	Editing of images customizes them to complement the theme and purpose of presentation	Editing of images is used occasionally	Editing of images is not adequate

Multimedia Applications CCO#3: Students will explore and apply the fundamentals of video creation and video editing. (1.1, 1.2, 1.4, 1.6, 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 4.1, 4.4, 4.5, 4.6, 4.8, CA4, CA5, CA6)

Multimedia Applications CCO#3 – Essential Content and Skills

Students will learn about:

- A. Access and capture video clips from a variety of sources
- B. Edit a video
- C. Alter the frames
- D. Queue a video
- E. Transfer digital video output to other media
- F. Import and manipulate audio files

Multimedia Applications CCO#3 – Facilitating Activities

The students may:

1. capture a news item to be used in a multimedia presentation (3) (T)
2. import audio from a television show or movie and use in either a slide show or a presentation. (3) (T)
3. edit a video of a school activity and create a commercial that can be viewed on the computer. (3) (T)
4. create a video that explains the proper care for a computer. (2, 3) (T)
5. edit and transfer a family video from a tape to a DVD. (3) (T)
6. record and edit a speech or lyrics to be used in a multimedia presentation. (3) (T)

Multimedia Applications CCO#3 – ALA

Students will produce a video presentation including accessing, editing, altering, queuing, transferring, and importing digital video and audio files.

Multimedia Applications CCO#3 – ALA

Students will produce a video presentation including accessing, editing, altering, queuing, transferring, and importing digital video and audio files.

Multimedia Applications CCO#3 – Scoring Guide

<u>Criteria</u>	<u>Excellent</u>	<u>Superior</u>	<u>Average</u>	<u>Needs Improve.</u>
Access and Capture Video Clips	Integration of video clips dramatically improves the impact of the video presentation	Integration of video clips improves the impact of the video presentation	Integration of video clips somewhat improves the impact of the video presentation	Integration of video clips is not adequate
Edit a Video	Editing of video greatly increases audience understanding	Editing of video increases audience understanding	Editing of video allows for adequate understanding	Editing of video does not allow for audience understanding
Alter the Frames	Altering of frames greatly enhances visual appeal of presentation	Altering of frames enhances visual appeal of presentation	Altering of frames adequately adds visual appeal to presentation	Altering of frames does not add visual appeal to presentation
Queue a Video	Queuing of video results in logical arrangement of video footage that dramatically increases audience understanding	Queuing of video results in logical arrangement of video footage that increases audience understanding	Queuing of video results in logical arrangement of video footage that adequately improves audience understanding	Queuing of video does not result in improving audience understanding
Transfer Digital Output	Transfer of digital output from other media occurs flawlessly without loss of quality	Transfer of digital output from other media occurs flawlessly with only insignificant loss of quality	Transfer of digital output from other media occurs flawlessly with some loss of quality	Transfer of digital output from other media occurs flawlessly with significant loss of quality
Import and Manipulate Audio Files	Importing and manipulating of audio files dramatically improves auditory appeal of presentation	Importing and manipulating of audio files improves auditory appeal of presentation	Importing and manipulating of audio files somewhat improves auditory appeal of presentation	Importing and manipulating of audio files does not improve auditory appeal of presentation