

# Adv. Digital Design

## Course Description

Students will focus on developing advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. These skills will prepare students for entry-level positions in the digital design field. Students will demonstrate proper use of copyright and fair use throughout the course.

**Course Code:** 270613

## Endorsements to teach:

BMIT, IT, Art

## Programs of Study to which this Course applies:

Digital Design

### CIS. HS. 1. 27

#### Examine emerging trends within the digital communications industry.

CIS. HS. 1. 27. a Analyze future trends and emerging technologies in regards to print media.

CIS. HS. 1. 27. b Apply appropriate industry specific hardware and software in regards to print media.

### CIS. HS. 1. 14

#### Evaluate digital media projects for voice, message, visual appeal, or content.

CIS. HS. 1. 14. a Conduct self- and peer-analysis of projects.

### CIS. HS. 1. 17

#### Analyze and comply with copyright laws.

CIS. HS. 1. 17. a Demonstrate ethical and legal use of information by citing sources using prescribed formats and tools (e.g., online citation assistance, publication guidelines).

CIS. HS. 1. 17. b Explore "terms of use" guidelines.

CIS. HS. 1. 17. c Identify intellectual property issues when creating print media.

CIS. HS. 1. 17. d Apply creative commons licenses.

### CIS. HS. 1. 30

#### Design graphics, text, and/or presentations to clearly express one's views for the intended audience.

CIS. HS. 1. 30. a Prepare a production schedule collaboratively with team (e.g., creating and using a work plan, establishing milestones and deliverables).

CIS. HS. 1. 30. b Demonstrate the ability to communicate with industry appropriate language.

CIS. HS. 1. 30. c Design presentations that include visual and/or digital tools to enhance final project when presenting to the intended audience.

### CIS. HS. 1. 31

#### Demonstrate design principles and concepts.

CIS. HS. 1. 31. a Demonstrate advanced knowledge in typography (font face, font styles, effects).

CIS. HS. 1. 31. b Apply color theory principles.

CIS. HS. 1. 31. c Apply text layout principles (e.g., leading, kerning, alignment).

CIS. HS. 1. 31. d Demonstrate knowledge in page layout (e.g., negative space, alignment, symmetrical, asymmetrical).

CIS. HS. 1. 31. e Differentiate between bitmap, raster, and vector images.

CIS. HS. 1. 31. f Explain "Pixel Perfect" design and how it relates to user interfaces.

### CIS. HS. 1. 32

#### Demonstrate photography principles of design and composition rules.

CIS. HS. 1. 32. a Apply camera modes proficiently.

CIS. HS. 1. 32. b Apply light and color principles.

CIS. HS. 1. 32. c Apply image stabilization.

CIS. HS. 1. 32. d Apply exposure, shutter speed, and aperture.

CIS. HS. 1. 32. e Select various camera settings in regards to digital photography.

CIS. HS. 1. 32. f Apply photographic composition techniques (e.g., rule of thirds, point-of-view, framing).