**Digital Photography 20S**

**Course Outline**

**Business & Technology Department**

**Purpose:**

The purpose of this course is to provide students with the skills and knowledge to:

* Convey a message through an original digital image.
* Use Adobe Photoshop features and techniques to edit digital images and create a variety of photo designs

**Specific Learning Outcomes:**

Students will:

1. Define the purpose and audience for the type of communication (print and image).
2. Plan a still image that will communicate a message.
3. Capture a still image with a digital camera.
4. Manipulate a digital image to create a new image by:

Using painting tools *(Examples: lines, boxes, polygons, pencil, brush, spray, text…etc.)*

Using editing tools *(Examples: extract, crop, straighten, colour…etc.)*

Using layers *(Examples: create, adjust, import, knockout, duplicate, liquefy…etc.)*

Flattening files

Using image properties *(Examples: transparency/opacity, soft/hard edges, curves…etc.)*

Applying filters and effects *(Examples: blur, distort, sketch, stylize, texture…etc.)*

1. Use language and tone appropriate to the type of communication (print and image).
2. Incorporate elements of good design when designing documents and images. *(Examples: balance, harmony, contrast, colour, consistency…etc.)*
3. Critique and suggest improvements for an image, using given technical and aesthetic criteria.
4. Accept critique of an image and make changes based on the feedback.

**DSLR Camera Operation and Features**

* Correct way to hold a DSLR camera
* Parts of the camera—names and functions
* Mode dial options
* Meaning of display information
* Function of the command dial
* Shutter release
* Scene modes—when to use them and what they do
* ISO
* P, S, and A modes
* Aperture
* Shutter speed
* Exposure
* White balance

**Photo Composition Techniques**

* Rule of Thirds
* Focus and Recompose
* Lines
* Curves, Angles and Negative Space
* Patterns
* Framing and Filling the Frame
* Cropping

**Students will create a website to display images**

**Adobe Photoshop Features**

* Work area
* Basic photo corrections—resolution and image size, straightening and cropping images, replacing colours, adjusting saturation with the sponge tool, clone stamp tool, spot healing brush tool, content-aware fill, mask filters
* Selections and selection tools—moving, manipulating, magic wand tool, lasso, tool, magnetic lasso tool
* Layer basics—layers panel, rearranging layers, applying gradient to a layer, applying a layer style, flattening files
  + Students will identify the following parts of the ***layers panel***:
    - Layer names
    - Background layer
    - Lock icon
    - Eye icon
  + Students will demonstrate the ability to perform the following procedures related to ***layers***:
    - Rename
    - Copy
    - Rearrange
    - Add a border
    - Change opacity
    - Add a layer style
    - Change the blending mode
    - Resize and rotate
    - Use a filter to create artwork
    - Add text
    - Apply a gradient
    - Flatten layers
* Masks—creating a mask
* Panorama
* Filters
* Multiple Images
* Create templates to display images
* Applying Photoshop Tools and Features to complete a variety of assignments
* Project integrating all features and software used in the course.

**Assessment:**

Based on summative assessment of outcomes