COURSE PLAN

FIRST: BASIC INFORMATION

College	
College	Irbid University College
Department	Applied Sciences

Course	
Course Title	Digital Graphics 1
Course Code	020902125
Credit Hours	2 (0 Theoretical, 2 Practical)
Prerequisite	

Instructor	
Name	
Office No.	
Tel (Ext)	
E-mail	
Office Hours	

Class Times	Building Name	Day of Week	Start time	End time	Hall number

Text Book	
Title	:

References

1) Adobe Photoshop Classroom in a Book 1st Edition, 2021, Conrad Chavez & Andrew Faulkne, Adobe
2) https://helpx.adobe.com/photoshop/tutorials.htm

SECOND: PROFESSIONAL INFORMATION

COURSE DESCRIPTION

This course specifies the skills and knowledge required to produce 2D raster images that conforms to users' requirements for image artwork projects, using a raster graphic editor (Adobe Photoshop). It includes concepts of 2D digital image, identification of interface, image manipulation, file management and working knowledge of image process.

COURSE OBJECTIVES

The objectives of this course are to enable the student to do the following:

- Explain concepts of raster image production using the raster graphic editor
- Develop working competence in basic image manipulation procedures, including workspace, image structure, color, layer and selection
- Develop working competence in image transformation and drawing techniques
- Develop working competence in file management, printing and exporting

COURSE LEARNING OUTCOMES

By the end of the course, the students will be able to:

- CLO1. Explain concepts of raster image and basic usage of raster graphic software
- CLO2. Apply working knowledge of 2D design and digital image manipulation to design artwork
- CLO3. Apply working knowledge of layers and selections to design artwork
- CLO4. Apply various image production techniques to design artwork
- CLO5. Manipulate drawing, painting, text, filter and effect techniques
- CLO6. Manipulate saving, exporting and printing techniques

COURSE SYLLABUS

Week	Topic	Topic details	Related LO	Proposed assignments
1	**Introduction to Photoshop**	- Photoshop system requirements - Create documents - Explain concepts & features of 2D raster image. - Demonstrate use of various digital imaging devices - Explanation of the program's interface, main and sub-windows. How to create a new file and saving it. - Identify and specify different graphics file formats for print and web.	**CLO1**	
2	**Workspace**	- Tool galleries - Performance preferences - Place Photoshop images in other applications - Default keyboard shortcuts	**CLO1**	

		• Rulers • Undo and history • Panels and menus • Place files • Position elements with snapping • Position with the Ruler tool • Customize keyboard shortcuts. • Grid and guides		
3	**Web, screen, and app design**	• Photoshop for design • Art boards Device Preview • Slice web pages • HTML options for slices • Modify slice layout • Work with web graphics • Create web photo galleries	**CLO2**	
4	**Image and color basics**	• How to resize images • Image essentials • Image size and resolution • Create, open, and import images • Viewing multiple images • Match, replace, and mix colors • Convert between color modes • Color modes • Erase parts of an image • Blending modes Choose colors • Customize indexed color tables • About color • Choose colors in the Color and Swatches panels • Sample Color mode or Image mode	**CLO2**	
5	**Layers**	• Layer basics • Create and manage layers and groups • Select, group, and link layers • Layer opacity and blending • Mask layers • Remove a person from the background with masking • Apply Smart Filters • Layer comps • Move, stack, and lock layers • Mask layers with vector masks	**CLO3**	

		• Manage layers and groups • Layer effects and styles • Edit layer masks • Reveal layers with clipping masks • Generate image assets from layers • Work with Smart Objects • Combine multiple images into a group portrait • Combine images with Auto-Blend Layers • Align and distribute layers • Flattening		
6	**Selections**	• Select And Mask workspace • Make quick selections • Make selections • Select with the marquee tools • Select with the lasso tools • Select a color range in an image • Adjust pixel selections • Extract an object from its background • Convert between paths and selection borders • Move, copy, and delete selected pixels • Create a temporary quick mask • Save selections and alpha channel masks	**CLO3**	
7	**Image adjustments**	• Perspective warp • Reduce camera shake blurring • Healing brush examples • Adjust image sharpness and blur • Understand color adjustments • Apply a Brightness/Contrast adjustment • Adjust shadow and highlight detail • From an expert: Shadows/Highlights • Levels adjustment • Adjust hue and saturation • Make quick tonal adjustments • Apply special color effects to images • Apply the Color Balance adjustment • Convert a color image to black and white • Adjustment and fill layers • Curves adjustment	**CLO4**	

		• Adjust color and tone with Levels and Curves eyedroppers • Blur Dodge or burn image areas		
8		**Midterm Exam**	**Midterm**	
9	**Image repair and restoration**	• Remove objects from your photos with Content-Aware Fill • Content-Aware Patch and Move • Retouch and repair photos • Correct image distortion and noise	**CLO4**	
10	**Image transformations**	• Transform objects • Adjust crop, rotation, and canvas size • How to crop and straighten photos • Create and edit panoramic images • Warp images, shapes, and paths • Vanishing Point • Transform images, shapes, and paths	**CLO4**	
11	**Drawing and painting**	• Modify shapes • Draw shapes • Painting tools • Create and modify brushes • Add color to paths • Edit paths • Paint with the Mixer Brush • Brush presets • Gradients • Fill and stroke selections, layers, and paths • Draw with the Pen tools • Create patterns • Manage paths • Manage pattern libraries and presets • Draw or paint with a graphics tablet	**CLO5**	
12	**Text**	• Format characters • Format paragraphs • How to create type effects • Edit text • Line and character spacing • Arabic and Hebrew type • How to access Arabic and Hebrew features in Photoshop	**CLO5**	

		• Fonts • Troubleshoot fonts • Create type		
13	**Filters and effects**	• Use the Blur Gallery • Filter basics • Filter effects reference • Add Lighting Effects • Adaptive wide angle filter • Use the Oil Paint filter • Apply specific filters	**CLO5**	
14	**Saving and exporting**	• Supported file formats • Save files in graphics formats • Save images • File formats • Save PDF files • Supported file formats	**CLO6**	
15	**Printing**	• Print from Photoshop • Print with color management • Print photos in a picture package layout • Print spot colors • Print images to a commercial printing press • Improve color prints from Photoshop	**CLO6**	
16		**Final Exam**	**Final**	

COURSE LEARNING RESOURCES

The methods used in teaching the program, are mentioned, such as lectures, discussion sessions, proactivity, and other activities

- Discussion and explanation sessions
- Practical activity and execution

ONLINE RESOURCES

- https://helpx.adobe.com/photoshop/tutorials.htm

ASSESSMENT TOOLS

Assessment Tools	%
Projects and Quizzes	30%
MID Exam	20%
Final Exam	50%
Total Marks	100%

THIRD: COURSE RULES

ATTENDANCE RULES

Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class. Absence of 10% will result in a first written warning. Absence of 15% of the course will result in a second warning. Absence of 20% or more will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records.

GRADING SYSTEM
Example:

Course Marks Average		
Average	**Maximum**	**Minimum**
Excellent	100%	90%
Very Good	89%	80%
Good	79%	70%
Satisfactory	69%	60%
Weak	59%	50%
Failed	49%	35%

REMARKS

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COURSE COORDINATOR

Course Coordinator		Department Head	
Signature		Signature	
Date		Date	