**King Saud University**

**College of Applied Studies &Community Services**

**Program: Natural & Engineering Sciences Program (NESP)**

**1st Semester: 1439 / 1440**

**Computer Graphics ( CT 1514 )**

**Instructor**: Haya Al\_Qaoud

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**Office**: Building 26 , Ground floor , Room 3

**Office hours:** Sunday ,Monday and Thursday 8-10 , Thursday 10-11

**Course Objectives:**

The aim of the course is to introduce the dynamic animation and computer graphics using Adobe Photoshop and Macromedia Flash. This includes graphical and programming aspects used in Adobe Flash.

**Course Learning Outcomes:**

1. Understand graphics concepts and colors in computer.
2. Learn how to use adobe Photoshop to design and modify photos professionally
3. Understand the Definition of computer Animations
4. Learn how to Create a complex animation and integration
5. Understand the Action script programming in flash

**Text Book:**

Adobe Photoshop CS6 Classroom in a Book  by [Adobe Creative Team](https://www.amazon.com/s/ref=dp_byline_sr_book_1?ie=UTF8&text=Adobe+Creative+Team&search-alias=books&field-author=Adobe+Creative+Team&sort=relevancerank)

**Reference:**

Slides, lecture notes and the text book

**Assessment Plan for the Course:**

* Mid1 20%
* Mid2 15%
* Lab sheets 15%
* Project 10 %
* Final 40%

**Course Topics:**

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| **Week#** | **Topic** | **Sheets** |
| 1 | *Introduction* - *Graphics concepts and colors in computer* |  |
| 2 | *Adobe Photoshop -Tool box* | *Sheet1* |
| 3 | *Adobe Photoshop -Tool box* | *Sheet2* |
| 4 | *Adobe Photoshop –Tool box* | *Sheet3* |
| 5 | *Adobe Photoshop -History Panel and Layers* | *Sheet4* |
| 6 | *Adobe Photoshop –menus* | ***Project Phase 1*** |
| 7 | **Midterm Exam 1**  *The Definition of Computer Animations* |  |
| 8 | *Adobe Flash -Introduction (tool box & Time Line )* | *Class sheet* |
| 9 | *Adobe Flash - Introduction*  *( Types of Animations)* | *Sheet 5* |
| 10 | *Adobe Flash – animations using motion Guide layer* | *Sheet 6* |
| 11 | *Adobe Flash –working with scenes*  **Midterm Exam 2** | *Action script sheet* |
| 12 | *Introduction to action script & sounds* | *Action script sheet*  ***Project Phase 2*** |
| 13 | *Project* *Discussion* |  |

**Notes:**

* Late assignment submission will be not accepted.
* Students are encouraged to discuss assignments but not copy.
* If you miss an assignment, you will get on a zero.
* Missed Midterm exams can be made up in cases of extreme circumstances and it covers all chapters.
* Attendance is very important if you absent more than 25% you will be forbidden to enter the final exam.