**Lab topics for RAD 454**

**1- Introduction**

**Internet search on these topics:-2**

Engine search (E+A)

Computer graphics

3D rendering techniques

Digital fluoroscopy

Radiographic films

Linux environment

DOS system

Latex

Health level7 (HL-7)

DICOM

**3- lab 2: files formats**

Image format file

Word format file

Pdf format file

Audio format file

Video format file

**4-Lab 3: Internet system**

- History

- Web formats

-different web design for different purposes

- Design small website

**5- Computer programming languages**

- History

-purpose

-basic languages

- Advanced programming languages: c, c++, Java, MATLAB, medical softwares

**6-Lab 4: Computerized Medical Applications software**

-MRI (jMRI)

-spectroscopy (NUT)

- MRI/CT (MRIcron)