



INSTRUMENTAL SEMIOTICS

Anno immatricolazione	2015/2016
Anno offerta	2017/2018
Normativa	DM270
SSD	MED/36 (DIAGNOSTICA PER IMMAGINI E RADIOTERAPIA)
Dipartimento	DIPARTIMENTO DI MEDICINA MOLECOLARE
Corso di studio	MEDICINA E CHIRURGIA (IN LINGUA INGLESE)
Curriculum	PERCORSO COMUNE
Anno di corso	3°
Periodo didattico	Primo Semestre (02/10/2017 - 19/01/2018)
Crediti	2
Ore	16 ore di attività frontale
Lingua insegnamento	English
Tipo esame	ORALE
Docente	BAIOCCO GIORGIO - 1 CFU CALLIADA FABRIZIO - 1 CFU
Prerequisiti	good knowledge of the basic of physics
Obiettivi formativi	<ol style="list-style-type: none">1. Understand the basic differences between the various radiological technologies in respect to their application and effect on the patient in the investigation of normal and pathological anatomy and physiology.2. Understand the basic principles of the imaging representation of body structures.3. Be able to identify a diagnostic image as being a(n):<ol style="list-style-type: none">a. X-rayb. Angiogramc. CTd. Radionuclide scane. Ultrasoundf. MRI4. Be able to explain the biological effects of diagnostically used

	<p>radiations.</p> <p>5. Be able to explain the mechanism of biological effects of x-rays.</p> <p>6. Be able to describe radiation therapy to a lay person.</p>
Programma e contenuti	<p>Short of physical revision of different equipment: Rx-TC US RM introduction to the commitment of the different types of contrast media equipment and fields of commitment of X-rays equipment and fields of commitment of US equipment and fields of commitment of MRI equipment and fields of commitment of radiotherapy basics of Radiobiology</p>
Metodi didattici	<p>Lectures in which the contents and arguments given in theory to students through power point slides</p>
Testi di riferimento	<p>course materials will be provided by the teacher</p>
Modalità verifica apprendimento	<p>multiple choice written exam with questions about the course topics</p>
Altre informazioni	<p>No content</p>
Obiettivi Agenda 2030 per lo sviluppo sostenibile	<p>\$lbl legenda sviluppo sostenibile</p>