





3.00 credits

25.0 h + 5.0 h

Q2

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| Teacher(s) | Coche Emmanuel ;Jamar François ;Lhommel Renaud ;Michoux Nicolas (coordinator) ;Vande Berg Bruno ; |
| Language : | French |
| Place of the course | Bruxelles Woluwe |
| Main themes | Content: this annual course focuses on the techniques and use of different imaging methods in Radiology and Nuclear Medicine. Method: virtual course based on the book "Guide to Medical Imaging and Radiotherapy Technologies (Ed. Masson, JP Dillenseger, E. Moerschel)" and supplemented by documents available on the website http://uclimaging.be/ecampus/option_01.htm (RDGN3120). |
| Learning outcomes | At the end of this learning unit, the student is able to : 1 To offer to students in radiology the specialized knowledge about the methods of medical imaging. The technology and the cost-effectiveness of each radiological method will be underscored. |
| Evaluation methods | Physicists : critical analysis of a scientific paper + MCQ test Physicians : MCQ test The exam takes place in June and 2nd session in September. |
| Teaching methods | Courses can be downloaded at : http://uclimaging.be/ecampus/option_01.htm |
| Content | - Technology and practical use of conventional Xrays (including numeric radiology), sonography, computed tomography, magnetic resonance imaging and nuclear medicine (including positron emission tomography). - Characteristics of contrast agents - Accidents related to radiological procedures - Quality control in medical imaging - Information technology - Relations with patients and staff |
| Inline resources | http://uclimaging.be/ecampus/option_01.htm |
| Bibliography | Guide des technologies de l'imagerie médicale et de la Radiothérapie (Ed. Masson, JP Dillenseger, E. Moerschel) |
| Other infos | Examination consisting in multiple choice questions |
| Faculty or entity in charge | MED |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Advanced Master in Nuclear Medicine | MNUC2MC | 2 | |  |
| Certificat de compétence pour l'utilisation des rayons X en diagnostic médical | RXU2CE | 3 | |  |
| Master [120] in Physics | PHYS2M | 3 | |  |
| Certificat universitaire en physique d'hôpital | RPHY9CE | 3 | |  |