Course Specifications
Valid as from the academic year 2017-2018

Advances in Radiology, Part 1 (D002635)

Course size
- Credits 6.0
- Study time 150 h
- Contact hrs 60.0 h

Course offerings and teaching methods in academic year 2019-2020
- A (year)
- Dutch
- Lecture
- 60.0 h

Lecturers in academic year 2019-2020
- Verstraete, Koenraad GE32 lecturer-in-charge
- Defreyne, Luc GE32 co-lecturer
- SMEETS, PETER co-lecturer
- Villeirs, Geert GE32 co-lecturer

Offered in the following programmes in 2019-2020
- Master of Medicine in Specialist Medicine (main subject Radiology) 6 A

Teaching languages
- Dutch

Keywords
- Radiology, radiography, radioscopy, CT-scan, ultrasound, Magnetic Resonance imaging, positron-emission tomography, medical imaging, angiography, interventional radiology

Position of the course
- This course aims to continue the acquisition of more specialised medical knowledge, to develop problem solving capacity and to apply it in practice.

Contents
- The trainee gains basic knowledge in a broad number of fields within the speciality necessary for the applications in practice. The content that will be dealt with, is related to the learning outcomes.
- Topics:

Initial competences
- The course builds on certain learning outcomes of the study programme leading to the academic degree "Master of Medicine (in Medicine)" (or "Physician" or "Doctor of Medicine, Surgery and Obstetrics").

Final competences
- 1 Acquiring a deeper knowledge and insight in the syndromes and techniques in the field of the speciality.
- 2 Developing an in-depth specialised scientific knowledge and methodology necessary as substructure for the problem-solving ability at the work place.

Conditions for credit contract
- Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract
- This course unit cannot be taken via an exam contract

Teaching methods
- Lecture
Learning materials and price
- Interuniversitary postgraduate teaching
  - Powerpoint presentations of lectures of the interuniversitary postgraduate teaching
- Selection of articles from Radiological journals (Radiology, European Radiology, European Journal of Radiology, American Journal of Radiology, Clinical Radiology, ...)
- E-learning via electronic learning platform

Recommended books (not obligatory to buy):
- Radiologische atlas deel 3: abdominale beeldvorming
  Vanbekevoort D.
  Helicon 2002
- Gastrointestinal radiology: a pattern approach 4/e
  Eisenberg R.L.
  Lippincott Williams & Wilkins 2002
  isbn 0.7817.3706.0
- Imaging of diseases of the chest 4/e
  Hansell D., Armstrong P., Lynch D., Mc Adams H.
  Mosby 2005
  isbn 0.3230.3660.0
- Computed Tomography of the Lung: A pattern approach
  J.A. Verschakelen, W. De Wever
  Springer 2007
  isbn 10 3-540-26187-7
- Genito-urinary radiology: the requisites
  2nd Edition
  Ronald J. Zagoria
  Elsevier Mosby 2004
- Bone and joint imaging 3/e
  Resnick D.
  W.B. Saunders Company 2005
  isbn 0.7216.0270.3
- Requisites, Musculoskeletal imaging, sec ed.,
  BJ Manaster,
  Mosby 2002,
- Fundamentals, skeletal radiology, sec ed.
  Clyde A Helms,
  W.B. Saunders, 1995
- Fundamentals of pediatric radiology
  Donnelly L.F.
  W.B. Saunders Company 2001
  isbn 0.7216.9061.0
- Abdominal and general ultrasound 2/e
  Meire D.
  Churchill Livingstone 2001
  isbn 0443061521
- Neuroradiology companion 3/e
  Castillo M.
  Lippincott Williams & Wilkins 2006
  isbn 0-7817-7949-90
- Imaging in Trauma and Critical Care, 2nd ed
  Stuart E. Mirvis
  Saunders 2003
  isbn 0.7216.9340.7
- Principles of radiological physics 4/e
  Graham D.
  Churchill Livingstone 2003
  isbn 0.4430.7073.3

References

Course content-related study coaching
- Consultation of lecturer (appointment or via email)
- Via electronic learning platform

Evaluation methods
- end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period
- Written examination, portfolio

Examination methods in case of periodic evaluation during the second examination period
- Written examination, portfolio

(Approved)
Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
not applicable

Calculation of the examination mark
A “pass” / “fail” result is given.