كيفية إعداد توصيف المقررات الدراسية للدراسات العليا

توصيف المقررات الدراسية يتضمن توضيح أقل المتطلبات الواجب توافرها في طالب الدراسات العليا للحصول على درجة الماجستير والدكتوراه. يشمل توصيف المقرر الدراسي الاتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معملي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعها، عدد ساعات تدريس الجزء النظري والعملي والإكلينيكي)
- طرق تقييم الطالب (مثال: الامتحانات بكافة صورها، الحضور، المقال العلمي، log book)
- نظام الامتحانات وكيفية توزيع الدرجات
- طرق التقييم للمقرر الدراسي
- المراجعة السنوية والمسئولين عنها.

PROGRAMME SPECIFICATION FOR POSTGRADUATE DEGREE

This specification provides a concise summary of the main features of the course and the learning outcomes that a typical candidate might reasonably be expected to achieve and demonstrate if he or she takes full advantage of the learning opportunities provided. More detailed information on the specific learning outcomes, context and the teaching, learning and assessment methods of each module can be found in the Programme Descriptions Handbook.

COURSE SPECIFICATION

(Isotopes & Radio Biology)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Msc degree of Radiology program
(2) Department offering the programme:	Radiology Dpt.
(3) Department responsible for teaching the course:	Radiology Dpt.
(4) Part of the programme:	First part
(5) Date of approval by the Department`s council	28/6/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Isotopes & Radio Biology
(8) Course code:	**RAD 529 IRB**
(9) Total teaching hours:	7.5

(B) Professional information

(1) Course Aims:

The broad aim of the course is to provide the students with the basic principles of different isotope modalities, radioisotope materials and their applications.

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A) Knowledge and Understanding

A13. Study the basic physical principles of the different isotope modalities and the biochemical criteria of the isotope materials used.

A14. Understand the applications of isotope in different organs and their role in the differential diagnosis and early detection of metastasis.

A15. Discuss the risks and hazards of isotope material.

B- Intellectual skills

B2. Reason deductively in solving clinical problems:

- **a. Pick up the abnormality in the film**
- **b. Interpret the available data into a full radiologic report**
- **c. Analyze and evaluate the results to exclude or suggest the necessity of further evaluation.**
- **d. Decide the final diagnosis or differential diagnosis of the case.**
- **e. Discriminate between technical errors, normal anatomical variants and pathology.**
- **f. Suggest the imaging modality of choice best for evaluating the specific organ of interest.**

3) Course content:

Subjects	Lectures	Clinical	Total Teaching Hours
1- Thyroid scan 2- Bone scan 3-Renal scan 4- Renal transplant 5-Pulmonary ventilation/perfusion scan . 6- Radio Biological effect.	Each Lecture In 1.25 hour		
			Total time = 7.5 Hrs.

4) Teaching methods:

4.1. Lectures

4.2: Meetings

4.3: Case presentations

4.4. Video demonstrations

5) Assessment methods:

5.1: Written examination for assessment of ILOs number A1, A3

5.2: Structured oral examination for assessment of ILOs number: B2 & B3.

5.3: OSCE examination for assessment of ILOs number C1, C2 C3, C6.

5.4: MCQ examination for assessment of ILOs number A1, A3.

5.5: Log book for activities for assessment of: mainly for assessment of practical & transferable skills which are accepted through attending different conferences, thesis discussions, seminars, workshops, attending scientific lectures as well as self learning.

5.6: The supervisor requires certain assignments: meetings and case presentations that are evaluated and signed by the supervisors in the log book (without marks).

5.7: Meetings: the candidate should prepare and present at least one seminar in a topic related to the course and determined by the supervisors in front of the department staff (without marks).

Assessment schedule:

Assessment 1:……week/month:……

Assessment 2:…… ……week/month:……

Assessment 3:……week/month:……

Assessment 4:……week/month:……

Percentage of each Assessment to the total mark:

Written exam: 60 %:

OSCE exam: 10%::

Structured oral exam: .30%::

MCQ: ----

Other types of assessment: ----

Other assessment without marks: log book

6) References of the course:

6.1: Hand books:

6.2: Text books: - Textbook of Radiology and Imaging, David Sutton.

6.3: Journals:

6.4: Websites: www.radiologyinfo.org

6.5: Others:

7) Facilities and resources mandatory for course completion:

- Lecture rooms: available in the department
- Facilities for image analysis
- Computers for data analysis
- Data show facilities
- Video demonstrators

Course coordinator:

D. Eman Abd El Salam

D. Nehal ElBatooty

Head of the department: Prof. Dr/ Mahmoud Abd El-shaheed

Date: