



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2008-2009 **NEXT REVIEW:** 2013-2014 **STATUS:** A
(i.e. 2003-2004) *(i.e. 2008-2009)* *(A, I, D)*

COURSE TITLE: Nuclear Medicine Administration

COMMON COURSE NUMBER: NMT 2102

CREDIT HOURS: 2

CONTACT HOUR BREAKDOWN
(per 16 week term)

CLOCK HOURS:
(Voc. Course ONLY)

Lecture: 32 Lab: 0

Clinic: 0 Other: 0

PREREQUISITE(S): NMT 2130, NMT 2485, and NMT 2705L

COREQUISITE(S):

PRE/COREQUISITE(S): NMT 2573; NMT 2844; and NMT 2706L

COURSE DESCRIPTION

Student will be introduced to the administrative duties required of a nuclear medicine technologist. Some areas that will be covered include patient scheduling, radioisotope ordering; recordkeeping and reporting; scheduling and testing; communication; patient and clinician satisfaction.

UNIT TITLES

1. Administration/Management



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ASSESSMENT:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.

1. Announced and unannounced quizzes and Unit examinations;
2. Mid term and/or Final Exam (cumulative/comprehensive);
3. Assessment of reading and online assignments via submission of homework projects.

**** Complete the following only if course is seeking general education status ****

GENERAL EDUCATION Competencies and Skills *:

Please highlight in green font all Competencies/Skills from the list below that apply to this course. In the box to the right of the Competency/Skill, enter all specific learning outcome numbers (i.e. 1.1, 2.7, 5.12) that apply.

1. Read with critical comprehension	
2. Speak and listen effectively	
3. Speak and listen effectively	
4. Think creatively, logically, critically, and reflectively (analyze, synthesize, apply, and evaluate)	
5. Demonstrate and apply literacy in its various forms:	
6. Apply problem solving techniques to real-world experiences	
7. Apply methods of scientific inquiry	
8. Demonstrate an understanding of the physical and biological environment and how it is impacted by human beings	
9. Demonstrate an understanding of and appreciation for human diversities and commonalities	
10. Collaborate with others to achieve common goals.	
11. Research, synthesize and produce original work	
12. Practice ethical behavior	
13. Demonstrate self-direction and self motivation	
14. Assume responsibility for and understand the impact of personal behaviors on self and society	
15. Contribute to the welfare of the community	

** General Education Competencies and Skills endorsed by '05-'06 General Education Task Force*



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Unit 1 Administrative/Management

General Outcome:

1.0 The student shall:

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1** Describe the various types of hospitals, including sources of support, origin of control and special services rendered.
- 1.2** List primary and secondary functions of a general hospital.
- 1.3** List the support services in a general hospital and describe their functions as they relate to the function of the nuclear medicine services in delivery of patient care.
- 1.4** Describe the relationship between other diagnostic services and nuclear medicine in delivery of patient care.
- 1.5** List and describe the role of treatment services in a general hospital.
- 1.6** List factors that are important in the physical organization of a hospital to facilitate patient movement from one area to another during the course of diagnostic treatment procedures.
- 1.7** Discuss and distinguish between terms related to quality of patient care.
- 1.8** Discuss the concept of hospital accreditation and its impact on quality of patient care.
- 1.9** Outline a quality management program for a nuclear medicine department, listing factors that should be included and stating how they would be monitored.
- 1.10** Design a program for assessing the effectiveness of a solution for a specific problem in quality management.
- 1.11** Name and describe the various types of licenses for the use of radioactive materials in medical practice.
- 1.12** Given appropriate data, determine the type of license which should be used and demonstrate knowledge in the ability to complete relevant parts of the license application.
- 1.13** Cite DOH/MQA regulations regarding the posting of work place and instructions to workers.



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Unit 1 Administrative/Management continued

- 1.14** State circumstances where improper actions or incidents require notification to the radiation safety officer and/or DOH/MQA office.
- 1.15** State the responsibilities of the Radiation Safety Officer and the Radiation Safety Committee in the implementation of ALARA.
- 1.16** Discuss the concept of ALARA as it applies to the practice of nuclear medicine.
- 1.17** Define "misadministration" as applied to both diagnostic and therapeutic practice of nuclear medicine and describe the type(s) of report(s) that must be filed when such an incident occurs.
- 1.18** State the basic considerations of radiation disaster planning and define the nuclear medicine technologist's role in community disaster planning.