Miami Dade College

Course Description

NMT2102 | Nuclear Medicine Administration | 1.00 credit

The student will learn the administrative duties required of a nuclear medicine technologist. Areas covered include patient scheduling, radioisotope ordering, scheduling and testing, communication, and patient and clinician satisfaction. Prerequisites: NMT1002L, NMT1312C, NMT1705C, NMT2613; Corequisites: NMT1713C, NMT2534C, NMT2804C.

Course Competencies:

Competency 1: The student will demonstrate an understanding of general administrative/management responsibilities by:

1. Describing the various types of hospitals, including sources of support, origin of control, and special services rendered
2. Listing primary and secondary functions of a general hospital
3. Listing the support services in a general hospital and describe their functions as they relate to the nuclear medicine services' function in patient care delivery
4. Describing the relationship between other diagnostic services and nuclear medicine in the delivery of patient care
5. Listing and describing the role of treatment services in a general hospital
6. Listing factors that are important in the physical organization of a hospital to facilitate patient movement from one area to another during diagnostic treatment procedures
7. Discussing and distinguishing between terms related to quality of patient care
8. Discussing the concept of hospital accreditation and its impact on the quality of patient care
9. Outlining a quality management program for a nuclear medicine department, listing factors that should be included, and how they would be monitored should be stated
10. Designing a program for assessing the effectiveness of a solution for a specific problem in quality management
11. Naming and describing the various types of licenses for using radioactive materials in medical practice
12. Giving appropriate data, determine the type of license that should be used, and demonstrate knowledge of the ability to complete relevant parts of the license application
13. Citing Department of Health through Medical Quality Assurance (DOH/MQA) regulations regarding posting workplaces and instructions to workers
14. Stating circumstances where improper actions or incidents require notification to the radiation safety officer and DOH/MQA office
15. Analyzing the responsibilities of the Radiation Safety Officer and the Radiation Safety Committee in implementing as low as Reasonably Achievable (ALARA)
16. Discussing the concept of ALARA as it applies to the practice of nuclear medicine

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning