

# NUCM Nuclear Medicine Course

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## **NUCM 3001 Nuclear Medicine I**

**6 Credit Hours. 5 Lecture Hours. 2 Lab Hours.**

Introduction to the theory, principals and, procedures of nuclear medicine. Basic principles involved in imaging, diagnoses, and therapies are emphasized.

## **NUCM 3001L Nuclear Medicine I Lab**

**0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.**

**Corequisite(s):** NUCM 3001.

## **NUCM 3002 Nuclear Medicine II**

**6 Credit Hours. 5 Lecture Hours. 0 Lab Hours.**

Principles of radionuclide production and radiation detection. Topics include preparation and use of radiopharmaceuticals, decay modes, half-life, radiation interactions, radiation equipment and instrumentation applied to nuclear medicine imaging.

**Prerequisite(s):** A minimum grade of "C" in NUCM 3001.

**Corequisite(s):** RDSC 3002.

## **NUCM 3002L Nuclear Medicine II Lab**

**0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.**

## **NUCM 3003 Nuclear Medicine III**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Advanced Nuclear Medicine Imaging. Topics include the principles of Positron Emission Tomography, radiopharmaceutical production and instrumentation of PET.

**Prerequisite(s):** A minimum grade of "C" in NUCM 3002.

## **NUCM 3100 Introduction to Nuclear Medicine Clinical Education**

**1 Credit Hour. 1 Lecture Hour. 0-18 Lab Hours.**

Overview of the clinical setting, administrative structures, legal/compliance requirements, and required documentation.

**Prerequisite(s):** A minimum grade of "C" in NUCM 3001.

**Corequisite(s):** NUCM 3002.

## **NUCM 4101 Nuclear Medicine Clinical Education I**

**5 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.**

Supervised clinical practice in performing nuclear medicine procedures.

**Prerequisite(s):** A minimum grade of "C" in NUCM 3100 and DDTS 3001.

## **NUCM 4102 Nuclear Medicine Clinical Education II**

**6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.**

Supervised clinical practice in performing nuclear medicine procedures.

**Prerequisite(s):** A minimum grade of "C" in NUCM 4101.

## **NUCM 4103 Nuclear Medicine Clinical Education III**

**9 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.**

Supervised clinical practice in performing nuclear medicine and CP procedures.

**Prerequisite(s):** A minimum grade of "C" in NUCM 4102.

## **NUCM 4200 Nuclear Medicine Synthesis**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

A discussion of general and advanced theoretical concepts of Nuclear Medicine.

**Prerequisite(s):** A minimum grade of "C" NUCM 3003 and NUCM 4102.