NUCM Nuclear Medicine Course

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.