Midlands Technical College
NMT 101 Introduction to Nuclear Medicine
Nuclear Medicine Technology
Fall

Catalog Course Description: This course is a study of the overall basics of nuclear medicine technology. This course includes patient care, ethics, medical-legal issues and the history of nuclear medicine.

Prerequisite(s): Acceptance into the Nuclear Medicine program

Credit Hours: 2 Total Credits 1 Lec Credits 3 Lab Credits

Departmental Website: www.midlandstech.edu/healthsciences
D2L Brightspace Login Page: https://elearn.midlandstech.edu

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Program Coordinator: Mauren Kreiner; kreinerm@midlandstech.edu

Class Schedule[s]: NMT 101 A01, Thursday 1:00 – 5:00 p.m., HSB 240

Office Hours: Wednesday, 8:30 – 4:30 p.m.

General Education Core Competency Statement:

This course is a study of the overall basics of nuclear medicine technology. This course includes patient care, ethics, medical-legal issues and the history of nuclear medicine.

Course Objectives: Upon completion of this course the student will be able to:

1. Discuss policies and procedures of the program.
2. Describe purposes, functions, and activities of affiliated professional organizations.
3. Discuss vital signs and various output media for nuclear medicine.
4. Discuss medical ethics as related to nuclear medicine.
5. Discuss legal responsibilities of the nuclear medicine technologist

Program and course assessment activities are deployed and results collected in accordance with the College’s assessment schedule. Please refer to the information in the syllabus regarding the applicability of the assessment activity for the current semester.

Course Outcomes and Competencies:

Intended Course Outcome #1: Students will be professionally minded to value life-long learning opportunities.
Course Competency: Students will be able to demonstrate knowledge of nuclear medicine professional organizations and in the process be able to discuss medical ethics and legal responsibilities of the nuclear medicine technologists and the policies and procedures of the nuclear medicine program.

Performance Measurement Instrument and Success criteria: The students will achieve 80% or higher on the final exam.

Intended Course Outcome #2: Students will be able to problem solve, communicate effectively and utilize critical thinking skills.

Course Competency: Students will demonstrate effective communication, information literacy, research and problem solving skills.

Performance Measurement Instrument and Success criteria: The students will achieve an aggregate score (comprised of the case presentation and research paper) of 80% or higher on the research paper and case study presentation.

On Campus Course Attendance:

The quality of your learning experience in this class is determined in large by your active participation in the learning process. Therefore, it is important that you make every effort to attend every class. Students are expected to attend all classes and are responsible for class work, homework, lecture notes, reading assignments, etc., whether or not you are present.

There is no such thing as an "excused absence". On certain occasions, circumstances may arise, such as illness, personal issues or transportation problems that prevent you from attending class. In light of that, the maximum number of absences allowed is three (3) per semester. Student should contact instructor prior to assigned class time if absence is necessary.

If the number of classes missed exceeds the allowed absences, the student will be dropped from the class and will receive a "W" or "WF" as their final grade depending upon their grade status as of the last day the student attended class. Students will be counted absent if they are 15 minutes late to class or if they leave before class is over (more than 15 minutes). Absences will be counted beginning with the first day of class.

Be on time! It is inconsiderate to your classmates and disruptive to the class to arrive late. Students are expected to be in their seats ready to start class at the beginning of the class. Leaving during class should only be in case of an emergency. You may not leave the classroom during tests. If you exit the classroom, it will be assumed that you have completed the test and it will be collected and graded. If you know you must leave early, please let the instructor know ahead of time.

Mastering Nuclear Medicine requires regular attendance in class, consistent study of text material and class notes, and preparation of homework assignments. Students are expected to BE PREPARED FOR and PARTICIPATE in every class meeting. Students are expected to have all assignments completed by the due date.

It is a violation of the MTC Student Code to interfere with the learning process in the classroom. Courteous, attentive behavior is expected at all times. Disruptive behavior in any form will not be tolerated. Students engaged in such behavior will be dismissed from class, subject to disciplinary procedures and will be counted absent (see above). Students will be asked to leave the classroom if they fall asleep as this is distracting to the instructor and to other students.
It is expected that all beepers, cell phones and/or smart phones will be turned off or “set” to the silent mode during class. You may not receive or place telephone calls during class. No i-pods, MP3 players, etc will be permitted in class. A Laptop computer is allowed only if the student uses it to take notes during class.

**Withdrawal:** Should the maximum allowable absences be exceeded prior to midterm, a "W" will be submitted to the registrar to be recorded on the student’s transcript. Should the maximum allowable absences be exceeded after midterm, a "W" will be submitted to the registrar if the student was passing the course at the time of withdrawal OR a "WF" will be submitted if the student was failing the course at the time of withdrawal.

**No Shows:** If you register for a course and decide not to attend for any reason, you must complete a drop form and process it through the student Records Office. You will not be automatically purged for non-attendance. If you do not submit a drop form, you will be responsible for course tuition and fees. By not officially dropping the course, you will incur a bill with the college that can only be addressed through the College’s Finance Office. The college’s refund policy and dates are posted each semester.

Effectively from Spring 2015, the Student Ombudsman’s office will no longer be the initial point of contact for requesting No Shows to be processed. Students who incur a bill must contact the Finance Office.

**Administrative Drop Requests:** A student requesting an Administrative Drop resulting from medical event, death of family member, and other extenuating circumstances experienced while enrolled at Midlands Technical College should be directed to the Student Ombudsman’s office. Our policy dictates a request must be made no later than 30 days after the affected term. Supporting documentation is required and must be received before the request can be processed. Once the request form is received along with supporting documentation, it takes approximately three weeks for processing. As a result of an approved Administrative Drop Request, the student may be granted a refund of tuition and fees.

**Military Withdrawal:** According to College Procedure 3.10.1, students having to withdraw from college because of Military Deployment (active duty personnel) while enrolled must complete a withdrawal form and submit to the Records Office along with a copy of military orders.

**Disabilities Statement:** The staff of Counseling and Career Services works to ensure that all educational programming and services are accessible to otherwise qualified students with disabilities. If you have a concern regarding the accessibility of websites, instructional materials, online courses and other electronic or information technology please contact Counseling and Career Services. It is the student’s responsibility to self-disclose as a student with a disability and to request accommodations prior to beginning a program or course. Please contact the staff of Counseling and Career Services at 803-822-3505 (AC) or 803-738-7636 (BC) or via email at disability@midlandstech.edu if you have any questions or concerns.

**D2L Brightspace Help:**

**Online Learning Support Help Desk:** Technical questions related to the operation and use of D2L Brightspace can be answered from our Support Help Desk. A response will be provided within one business day.
To login: use your MTC e-mail account username and password.
(Student Username Example: georgeasmith)
(Faculty Username Example: smithg)
D2L Brightspace Assistance: Technical questions related to the operation and use of D2L Brightspace can also be answered by leaving a voicemail at (803) 822-3561, or emailing D2LHelp@midlandstech.edu. A response will be provided within one business day.

MyMTC Help: For MyMTC log-in issues please call 803-738-7888.

Academic Dishonesty: For more information about academic dishonesty, see the Academic Affairs Student Guidelines and Expectations.

If a student or students are suspected of cheating, the instructor will inform you. You may explain or refute the allegation. If instructor still thinks the charges are founded, you will be referred to the Office of the Associate Vice President of Student Development Services. Documentation is submitted to the Office of the AVP, SDS, by the instructor. You will then meet with either Dr. Holloway or Mr. Hayden. After the meeting, you will receive a letter with the sanction grade of zero (0) and any other sanctions deemed appropriate. Student has a right to file an appeal. Once the hearing and the notice of the right to appeal have been completed, instructor will be notified to apply the sanction grade of zero (0).

Course Requirements:

Case Presentation:
You are responsible for presenting a case presentation to the class. This case study will be on the same subject as your research paper (see below) and will not be the same case study as the one done for NMT 102.

Scientific Research Paper:
You are responsible for writing a *scientific research paper related to the case study (to include normal and abnormal nuclear medicine scans or data). Use APA guidelines.

Video Critique:
You will be watching a movie in class. You will be required to write a critique following the guidelines provided. There is a guideline in which you must follow. This guideline will be given to you during class.

LABS:
You are responsible for attending all labs.

Grading Scale: [Change to department requirements if necessary]

A=92-100
B=83-91
C=75-82
F=74-0