



Coleman College for Health Sciences
 Nuclear Medicine Technology Program
Nuclear Medicine Patient Care
NMTT 1311

Semester with Course Reference Number (CRN)	Fall 2013, 1 st 8weeks CRN 60697& 60434 (Taught by both instructors)								
Instructor contact information (phone number and email address)	Vikki Davis-Littleton: 713-718-7398, vikki.davislittleton@hccs.edu Glenn Smith: 713-718-7354, glenn.smith@hccs.edu								
Office Location and Hours	Vikki Davis-Littleton: Coleman Campus – RM. 529 Tues 9:00-10:00 a.m., Wed 3:30-4:30 p.m. Friday 10:00 am-12noon Glenn Smith: Coleman Campus – RM. 525 Tuesday 9:00 – 12:00 pm, Friday 9:00 – 11:00 am								
Course Location/Times	Coleman Campus -RM 553/574: Thursday 9:00 – 12:00pm /1:00 – 4:00pm								
Course Semester Credit Hours (SCH) (lecture, lab) If applicable	<table border="0"> <tr> <td>Credit Hours</td> <td>3.00</td> </tr> <tr> <td>Lecture Hours</td> <td>2.00</td> </tr> <tr> <td>Laboratory Hours</td> <td>3.00</td> </tr> <tr> <td>External Hours</td> <td></td> </tr> </table>	Credit Hours	3.00	Lecture Hours	2.00	Laboratory Hours	3.00	External Hours	
Credit Hours	3.00								
Lecture Hours	2.00								
Laboratory Hours	3.00								
External Hours									
Total Course Contact Hours	80.00								
Continuing Education Units (CEU): if applicable	N/A								
Course Length (number of weeks)	8 weeks								
Type of Instruction	Lecture/Lab/Web-enhanced								

Course Description: Introduction to medical terminology, health care ethics and legal issues, communication and patient interaction skills, patient assessment, and procedures involving transport, infection control, emergency, safety, phlebotomy and injections.

Course Prerequisite(s) **PREREQUISITE(S):**

- Admission into Nuclear Medicine Program

FREQUENT REQUISITES

- College Level Writing
- Departmental approval
- Admission to the Program
- College Level Reading
- College Level Mathematics

Academic Discipline/CTE Program Learning Outcomes

1. Demonstrate patient care tasks in the patient care course lab setting.
2. Demonstrate radiation safety techniques to minimize radiation exposure.
3. Demonstrate quality control procedures.
4. Prepare and administer radiopharmaceuticals.
5. Competently perform imaging and non-imaging nuclear medicine procedures.
6. Correlate different nuclear medicine procedures normal anatomy and abnormal pathology on a nuclear medicine image.

Course Student Learning Outcomes (SLO): 4 to 7

1. Define medical terms.
2. Apply ethical and legal concepts to given health care situations.
3. Given a specific patient care scenario; interact with the patient.
4. Respond to emergency situations.
5. Communicate information to patients, patients' family members, and co-workers when performing nuclear medicine procedures.

Learning Objectives (Numbering system should be linked to SLO - e.g., 1.1, 1.2, 1.3, etc.)

Define medical terms.

1. Define complex medical terms.

Apply ethical and legal concepts to given health care situations.

1. Apply professional and medical ethics to given situations.
2. Recognize legal aspects of given hospital situations.

Given a specific patient care scenario; interact with the patient.

1. Utilize proper body mechanics in transfer procedures.
2. Take vital signs on a patient.
3. Perform venipuncture as applied to various nuclear medicine procedures.
4. Administer medications and radiopharmaceuticals.

Respond to emergency situations.

1. Recognize emergency situations.
2. List the steps taken for various emergency situations.
3. Perform CPR on a mannequin given various scenarios.

Communicate information to patients, patients' family members, and co-workers when performing nuclear medicine procedures.

1. Obtain valuable diagnostic information from a patient while being sensitive to the cultural needs of a diverse population.
2. Solve ethical patient dilemmas given specific scenarios with patients from

divergent backgrounds.

3. Communicate necessary information to family members of a patient having a nuclear medicine procedure.

4. Utilize teamwork with co-workers and other health care personnel to deliver patient care.

**SCANS and/or
Core Curriculum
Competencies: If
applicable**

SCANS

Define medical terms.

Foundation Skills - Thinking -Knowing How to Learn

Apply ethical and legal concepts to given health care situations.

Workplace Competencies - Interpersonal -Negotiates to Arrive at a Decision

Given a specific patient care scenario; interact with the patient.

Foundation Skills - Thinking -Creative

Foundation Skills - Personal Qualities -Self-Management

Workplace Competencies - Interpersonal -Works with Cultural Diversity

Respond to emergency situations.

Workplace Competencies - Information -Acquires & Evaluates

Communicate information to patients, patients' family members, and co-workers when performing nuclear medicine procedures.

Foundation Skills - Basic -Listening

Foundation Skills - Personal Qualities -Self-Esteem

**Instructional
Methods**

Web-enhanced (49% or less)

Face to Face

**Student
Assignments**

Define medical terms.

Discussions

Homework Exercises

Readings

Apply ethical and legal concepts to given health care situations.

Discussions

Lab Exercises

Readings

Given a specific patient care scenario; interact with the patient.

Discussions

Lab Exercises

Homework Exercises

Readings

Respond to emergency situations.

Discussions

Homework Exercises

Readings

Communicate information to patients, patients' family members, and co-workers when performing nuclear medicine procedures.

Discussions

Lab Exercises

Homework Exercises

Readings

**Student
Assessment(s)**

Define medical terms.

In-class discussions

Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay

Various assigned readings from textbooks

Apply ethical and legal concepts to given health care situations.

In-class discussions
Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay
Various assigned readings from textbooks

Given a specific patient care scenario; interact with the patient.

In-class discussions
Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay
Various assigned readings from textbooks

Respond to emergency situations.

In-class discussions
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Communicate information to patients, patients' family members, and co-workers when performing nuclear medicine procedures.

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Various assigned readings from textbooks

Instructor's Requirements

Cell Phone Usage:

There will be no cell phone/listening device usage in class. The first phone that rings during class will not be penalized. Any subsequent ring or usage (for example: calling, texting, surfing, etc.) will result in a 5 point reduction off the next scheduled major exam. If a cell phone rings during a major exam, 10 points will be deducted from that exam. If the student answers the phone during the exam, 20 points will be deducted from that exam. If the student is expecting an emergency call, they must inform the instructor and leave the phone with the instructor. The instructor will answer the phone and pass on the message.

LAPTOPS, PADS AND TABLETS

May be used to take notes; however, if you are found to be using the laptop, pad and/or tablet in any other manner during class, YOU WILL NOT BE ALLOWED TO BRING THE LAPTOP, PAD AND/OR TABLET TO CLASS AFTER THIS OCCURS and you will receive a 0 for that day.

Examination questions will be taken from the reading assignments, the lab assignments as well as from the material presented during the lecture.

Program/Discipline Requirements: If applicable

No makeup examinations on quizzes.

Final examinations must be taken on the day and time designated by the instructor, unless there is a personal illness, accident or death in the immediate family (parent, child, brother, sister, spouse or grandparent). In the event any of these occur, the student must call and speak personally with the instructor or department head on the day of the examination. The student must provide documented evidence of the reason for missing the examination: doctor's statement in the case of personal illness, an accident report in the case of an accident, or obituary or funeral program

in the case of death in the immediate family. This documentation must be provided prior to taking a make-up final examination. The make-up final must be taken within 7 working days from the original test date or at the discretion of the instructor. In the case of a severe injury or long term illness, the student will be given an "I", incomplete, until the final examination is taken. An "I" will automatically turn into an "F" if the student does not take the examination by the end of the following term (excluding Summer). A student may not register for the next semester's nuclear medicine technology courses, if they have an incomplete in any of their nuclear medicine technology courses.

If notification on the day of a missed final examination to the involved instructor/department head by the student is not made, a student will receive a 0 for their final exam grade and course's final grade will be calculated as prescribed in the individual course syllabi. Also, if documented evidence as described in the preceding paragraph is not provided, a student will receive a 0 on their final examination.

HCC Grading Scale

A = 100- 90	4 points per semester hour
B = 89 - 80:	3 points per semester hour
C = 79 - 70:	2 points per semester hour
D = 69 - 60:	1 point per semester hour
59 and below = F	0 points per semester hour
IP (In Progress)	0 points per semester hour
W(Withdrawn)	0 points per semester hour
I (Incomplete)	0 points per semester hour
AUD (Audit)	0 points per semester hour

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades "IP," "COM" and "I" do not affect GPA.

For this Health Science program see the Instructor Grading Criteria below for this program's Grading Scale.

Instructor Grading Criteria

<u>Method for Determining Grade</u>		<u>Program Grading Scale</u>	
Patient Care and Ethics Final	40%	90 – 100	A
Patient Care Check-Offs	15%	80 – 89	B
Medical Terminology Quizzes	15%	75 – 79	C
Medical Terminology Final	20%	Below 75	F
Ethics Assignments	10%		

Instructional Materials

Patient Care in Radiography, 7th Edition, ISBN:978-0-323-05178-1, Ehrlich, Mosby, 2012
 Medical Terminology 350, ISBN: 0-914901-06-0, Vaughn, DCM/Instructional Systems, 1998

HCC POLICY STATEMENT: ADA

Services to Students with Disabilities Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. (At any HCC campus) Faculty is authorized to provide only the accommodations requested by the Disability Support Services Office.

To visit the ADA Web site, log on to www.hccs.edu, click Future students, scroll down the page and click on the words Disability Information.

For questions, please contact Donna Price at 713.718.5165 or the Disability Counselor at your college.

HCC POLICY STATEMENT: ACADEMIC HONESTY

Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty.

“Scholastic dishonesty” includes, but is not limited to, cheating on a test, plagiarism and collusion.

“Cheating” on a test includes:

- Copying from another student’s test paper;
- Using materials during a test that are not authorized by the person giving the test;
- Collaborating with another student during a test without authority;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test;
- Bribing another person on obtain a test that is to be administered

“Plagiarism” means the appropriation of another’s work and the unacknowledged incorporation of that work in one’s own written work offered for credit.

“Collusion” means the unauthorized collaboration with another person in preparing written work offered for credit.

Possible punishments for academic dishonesty may include a grade of “0” or “F” on the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. A recommendation for suspension or expulsion will be referred to the College Dean of Students for disciplinary disposition.

HCC POLICY STATEMENTS: ATTENDANCE

Research has shown that the single most important factor in student success is attendance! Therefore, attendance and punctuality are mandatory. HCCS policy states that students absent from this course for more than 12.5% of the total hours of instruction will be administratively dropped. This class has 80 contact hours. A student may be dropped after 10 hours of absence from lab and lecture combined.

If a student enters the class more than thirty minutes after the class has begun or leaves more than thirty minutes early, they will be counted absent on that day.

Poor attendance records tend to correlate with poor grades. If you miss any class, you are responsible for all material missed. It is good idea to find a friend or a buddy in class who would be willing to share class notes or discussion or be able to hand in paper if you unavoidable miss a class.

HCC POLICY STATEMENTS: 3-PEATERS

The State of Texas encourages students to complete college without having to repeat failed classes. To increase student success, students who repeat the same course more 7

than twice, are required to pay extra tuition. The purpose of this extra tuition fee is to encourage students to pass their courses and to graduate. Effective fall 2006, HCC has been charging a higher tuition rate to students registering the third or subsequent time for a course. If you are considering course withdrawal because you are not earning passing grades, confer with your instructor/counselor as early as possible about your study habits, reading and writing homework, test taking skills, attendance, course participation, and opportunities for tutoring or other assistance that might be available.

HCC POLICY STATEMENTS: WITHDRAWAL

If you feel that you cannot complete this course, you will need to withdraw from the course prior to the final date of withdrawal. Before you withdraw from your course, please take time to meet with the instructor to discuss why you feel it is necessary to do so. The instructor may be able to provide you with suggestions that would enable you to complete the course. Your success is very important. Beginning in fall 2007, the Texas Legislature passed a law limiting first time entering freshmen to no more than SIX total course withdrawals throughout their educational career in obtaining a certificate and/or degree.

To help students avoid having to drop//withdraw from any class, HCC has instituted an Early Alert process by which your professor may “alert” you and HCC counselors that you might fail a class because of excessive absences and/or poor academic performance. It is your responsibility to visit with your professor or a counselor to learn about what, if any, HCC interventions might be available to assist you- online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

If a student feels that they cannot complete the course, he or she will need to withdraw from the course prior to the final date of withdrawal. Before withdrawing, the student should meet with the instructor to discuss the decision. After withdrawal, the student must meet with the department head to complete an exit interview (refer to the nuclear medicine technology handbook for more information)

Early Alert: HCC has instituted an Early Alert process by which your professor will “alert” you through counselors of concerns that you might fail a class because of excessive absences and/or poor academic performance.

Peer tutoring may be available. Contact the program office for further information

Access Student Services Policies on their Web site: <http://hccs.edu/student-rights>

EGLS3 -- Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time near the end of the term, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and department chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Distance Education and/or Continuing Education Policies

**Access DE
Policies on their
Web site:**

[http://de.hccs.edu/Distance_Ed/DE_Home/faculty_resources/PDFs/DE_Syllabus.
pdf](http://de.hccs.edu/Distance_Ed/DE_Home/faculty_resources/PDFs/DE_Syllabus.pdf)

**Access CE
Policies on their
Web site:**

<http://hccs.edu/CE-student-guidelines>