



Nursing and Health Professions
1400 Tanyard Road, Sewell, NJ 08080
856-468-5000

NMT 116: Basic Nuclear Medicine Procedures

Syllabus

Lecture Hours/Clinical Lab/Credits: 1/3/2

Catalog Description

Prerequisite: Acceptance into the program, Grade of "C" or higher in CHM 111, PHY 103, BIO 105 and BIO 106

This course is an introduction to clinical procedures including patient care, basic instrumentation, medical terminology, medical ethics and clinical imaging procedures. The laboratory component is designed to provide the student with the skill set needed to operate equipment commonly used in the field of Nuclear Medicine, and to provide patient-centered care and assessment related to Nuclear Medicine.

Textbook and Course Materials

It is the responsibility of the student to confirm with the bookstore and/or their instructor the textbook, handbook, and any other materials required for their specific course and section.

Click here to see current textbook prices at rcgc.bncollege.com.

Evaluation Assessment

Online Proctoring

All courses offered at RCSJ, whether they are web-enhanced, hybrid, or fully online, may include assessments that make use of Online Proctoring. To find out more about Online Proctoring, and to learn about the minimum technical requirements, visit rcsj.edu/elearning/online-proctoring

Grading Distribution

Grading to be determined by individual instructors.

Individual instructors may include the following assessment(s):

- Exams
- Quizzes
- Terms Identification

- Essays
- Presentations
- Group Discussions
- Attendance and Participation

Grading

The grading scale for each course and section will be determined by the instructor and distributed the first day of class.

Rowan College of South Jersey Core Competencies

(Based on the NJCCC General Education Foundation - August 15, 2007; Revised 2011; Adopted 2014)

This comprehensive list reflects the core competencies that are essential for all RCSJ graduates; however, each program varies regarding competencies required for a specific degree. Critical thinking is embedded in all courses, while teamwork and personal skills are embedded in many courses.

1. **Written and Oral Communication:** Students will communicate effectively in both speech and writing.
2. **Quantitative Knowledge and Skills:** Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems
3. **Scientific Knowledge and Reasoning:** Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.
4. **Technological Competency:** Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals
5. **Society and Human Behavior:** Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.
6. **Humanistic Perspective:** Students will analyze works in the fields of art, history, music, or theater; literature; philosophy and/or religious studies; and/or will gain competence in the use of a foreign language
7. **Historical Perspective:** Students will understand historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance.
8. **Global and Cultural Awareness:** Students will understand the importance of a global perspective and culturally diverse peoples.
9. **Ethical Reasoning and Action:** Students will understand ethical issues and situations.
10. **Information Literacy:** Students will address an information need by locating, evaluating, and effectively using information.

NMT 116 Core Competencies

This course focuses on two of RCSJ's Core Competencies:

- Scientific Knowledge and Reasoning
- Quantitative Knowledge and Skills

Student Learning Outcomes: Basic Nuclear Medicine Procedures

Successful completion of NMT 116 will help students:	RCSJ Core Competencies	Evaluation / Assessment (Additional means of evaluation may be included by individual instructors)
Discuss cultural considerations and their impact on health status.	Global and Cultural Awareness	Global and Cultural Awareness Project/Rubric Exam and Quizzes
Demonstrate knowledge of instrumentation and quality control equations and interpret information to apply appropriate response.	RCGC's Quantitative Knowledge and Skills	Tests and Quizzes Lab Competency
Discuss career planning, malpractice prevention, ethics and legal considerations for the healthcare professional.	JRCNMT C4P Medical Ethics and Law	Exam and Quiz

Topical Outline

Topic	Labs – Obtaining Patient Vital Signs
<ul style="list-style-type: none"> • Topic 1 Patient Care <ul style="list-style-type: none"> ○ Professional Roles and Behaviors ○ Ethics in Health Care ○ Infection Control ○ Safety, Transfer and Positioning ○ Communications, Attitude – Culture, Body Language ○ Patient Care Assessment ○ HIPAA ○ Medical Ethics and Law ○ Handling Acute Situations 	<ul style="list-style-type: none"> • Lab 1 <ul style="list-style-type: none"> ○ Review Proper Procedure for Blood Pressure Assessment and Proper Handwashing Techniques and Practice Technique • Lab 2 <ul style="list-style-type: none"> ○ Demonstrate Competency of Proper Hand Washing Techniques. ○ Continue to Practice Blood Pressure Assessment • Lab 3 <ul style="list-style-type: none"> ○ Review Proper Procedure for Respiration Rate and Pulse and Practice ○ Demonstrate Competency in Blood Pressure Assessment • Lab 4 <ul style="list-style-type: none"> ○ Demonstrate Competency in Obtaining Respiration Rate and Pulse ○ Review Proper Procedure for Moving Patients from Wheelchair to Stretcher

Topic	Labs – Obtaining Patient Vital Signs
	<p>and from Stretcher to Stretcher Practice Procedures Using Proper Ergonomics</p> <ul style="list-style-type: none"> • Lab 5 <ul style="list-style-type: none"> ○ Demonstrate Competency in Moving Patients from Wheelchair to Stretcher and from Stretcher to Stretcher Using Proper Body Mechanics
<ul style="list-style-type: none"> • Topic 2 Instrumentation Gas Filled Detectors <ul style="list-style-type: none"> ○ Operation, Components and Quality Control of Gas Filled Detectors 	<ul style="list-style-type: none"> • Lab 6 <ul style="list-style-type: none"> ○ Record Readings Using GM Detectors ○ Review Procedures for Area Surveys • Lab 7 <ul style="list-style-type: none"> ○ Perform Constancy Check on the Dose Calibrator and Interpret Results to Apply Appropriate Follow Up Procedures
<ul style="list-style-type: none"> • Topic 3 GI Imaging <ul style="list-style-type: none"> ○ Gastric Emptying Stomach pg. 545-551 ○ GI Bleed ○ Meckel's Diverticulum ○ Liver Spleen Imaging ○ Hemangioma ○ Hepatobiliary ○ GE Reflux ○ Salivary Imaging (Parotid) 	<ul style="list-style-type: none"> • Lab 8 <ul style="list-style-type: none"> ○ Practice Patient Positioning for GI Procedures and Demonstrate Appropriate Professional Behavior for a Clinical Environment

Resources

Academic Support Center: The Academic Support Center (ACS), located in Room 603 above the College Store, offers FREE tutoring, student success workshops, structured study groups, and academic coaching for RCSJ students seeking assistance in most subjects. The phone number is 856-681-6250. For more information about all the services provided, please visit the Academic Support Center's webpage: rcsj.edu/asc.

Affirmative Action Statement

The Board of Trustees is committed to providing a work and academic environment that maintains and promotes affirmative action and equal opportunity for all employees and students without discrimination on the basis of certain enumerated and protected categories. These categories are race, creed (religion), color, national origin, nationality, ancestry, age, sex (including pregnancy and sexual harassment), marital status, domestic partnership or civil union status, affectional or sexual orientation, gender identity or expression, atypical hereditary cellular or blood trait, genetic information, liability for military service, or mental or physical disability, including AIDS and HIV related illnesses.

For questions concerning discrimination, contact Almarie J. Jones, Special Assistant to the President, Diversity and Equity/Title IX and Compliance, 856-415-2154 or ajones@rcsj.edu or (Cumberland) Nathaniel Alridge, Jr., JD, Director, Diversity and Equity/Title IX and Judicial Affairs, 856-691-8600, ext. 1414 or nalridge@rcsj.edu. For disability issues or any barriers in the learning or physical environment related to a document condition/disability please contact: Gloucester campus – Carol Weinhardt, Director, Department of Special Services, ADA/504 Officer at 856-415-2247 or cweinhar@rcsj.edu; or Cumberland Campus – Meredith Vicente, Senior Director, Department of Special Services/Project Assist at 856-200-4688 or mvicent1@rcsj.edu.

Department of Special Services

The Department of Special Services is committed to providing support services and ensuring equal access to eligible students with documented conditions/disabilities as outlined by the Americans with Disabilities Act (ADA) and the Americans with Disabilities Act with Amendments Act (ADAAA).

(Gloucester Campus Location and Contact)

Location: Instructional Center, room 425A.

Primary Contact: Director, Carol Weinhardt, (email) cweinhar@rcsj.edu; or (phone) 856-415-2247.

(Cumberland Campus Location and Contact)

Location: Center for Academic & Student Success (CASS)

Primary Contact: Senior Director, Meredith Vicente, (email) mvicent1@rcsj.edu; or (phone) 856-200-4688.

Reporting Allegations of Sexual Assault and Resource Referrals (08/2021) Gloucester Campus

There are multiple safe places for students to report allegations of sexual assault, both on and off campus. Reports of sexual assault can be made to any of the following offices listed in the chart below.

All students are encouraged to report alleged crimes on campus. Crimes that pose a threat to the campus community must be reported to **9-1-1**, Security, the Sheriff's Office or the Deptford Township Police Department. All employees, including Security staff, must report incidents of discrimination, harassment or sexual misconduct to the Title IX Officer.

Service	Resource	Phone Number/Location/Website
Non-Confidential Reporting Local Law Enforcement	Gloucester County Sheriff's Office	856-681-2200
	Deptford Township Police Dept.	856-845-2220
	Gloucester Co. Prosecutor's Office	856-384-5500
	Sexual Assault Response Team	856-384-5555
Non-Confidential Reporting 9-1-1 and Campus Security	9-1-1 Gloucester County Emergency Management Dispatch Campus Security Blue Light Emergency Phones <u>or</u> ext. 4444 from any campus desk phone	9-1-1 or push RED button on Campus Blue Light Emergency Phones 856-681-6287
Non-Confidential On-Campus Reporting Support Services	Almarie J. Jones Special Assistant to the President Diversity and Equity/Title IX and Compliance	856-415-2154 College Center, Room 116 <i>ajones@rcsj.edu</i>
	John F. Ryder Director, Student and Veteran Affairs	856-468-5000, ext. 6456 College Center, room 202 <i>jryder@rcsj.edu</i>
Confidential On-Campus Counseling and Support Services	Lois Y. Lawson-Bridgell, Ph.D. MSW, LSW, Director Counseling & Wellness Services Center	856-464-5236 <i>llawsonb@rcsj.edu</i> College Center, Room 206
	William Leonard, Ph.D. Intervention Teams Consultant	856-415-2119 <i>wleonard@rcsj.edu</i> College Center, STEM Office C-168
	Crystal Noboa, LSW, MSW Director, The Center for People in Transition (PIT)	856-415-2264 <i>cnoboa@rcsj.edu</i> Career & Technical Education Center, Room 809, 1492 Tanyard Road
	Diane Mussoline, EdS, LMFT Executive Director of Behavioral Services	856-494-5665 <i>dmussoli@rcsj.edu</i> Rowan University Center, Room 200A
Confidential Off-Campus Full-Service Support	Center for Family Services/ Services Empowering Rights of Victims (SERV)	1-866-295-7378 Camden and Gloucester counties www.centerffs.org/serv
Hospitals with Sexual Assault Nurse Examiners	Inspira Medical Center	700 Mullica Hill Road, Mullica Hill, NJ 08062 856-508-1000
	Jefferson Washington Township Hospital	435 Hurffville-Crosskeys Rd., Turnersville, NJ 856-582-2500