



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

## **NUR 305: Nursing Informatics**

Syllabus

Lecture Hours/Credits: 3/3

### **Catalog Description**

*Prerequisites: Graduation from an accredited school of nursing. Registered Nurse license in good standing.*

This course reviews the information needs and information systems related to nursing practice. Students will experience the manner in which informatics supports all areas of practice, including education, clinical practice, administration and research.

### **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](http://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](http://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

<b>Grading Scale</b>	B	84-88	D+	74-75	
A	92-100	C+	81-83	D	70-73
B+	89-91	C	76-80	No rounding	

Admission GPA – 2.5

## 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.

### NUR 305 Core Competencies

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

- Written and Oral Communication
- Technological Competency
- Ethical Reasoning and Action
- Information Literacy

### Student Learning Outcomes: Nursing Informatics

Successful completion of NUR 305 will help students:	RCSJ Core Competencies	Evaluation / Assessment (Additional means of evaluation may be included by individual instructors)
Identify current initiatives, trends and technologies used in healthcare informatics.	Technological Competency	Discussion Posts, Quizzes, Examinations
Explain the need for all nurses to have basic informatics skills for best practice.	Technological Competency	Discussion Posts, Quizzes, Examinations
Describe some of the forces within healthcare and those outside that are the driving the use of technology.	Written and Oral Communication	Discussion Posts, Quizzes, Examinations
Identify the role the nursing process plays when utilizing healthcare technology within nursing practice	Information Literacy	Discussion Posts , Quizzes, Examinations
Identify the role nursing can play within healthcare technology and how nurses can influence the changing environment within healthcare.	Ethical Reasoning and Action	Discussion Posts , Quizzes, Examinations

## Topical Outline

Weeks	Topic	Readings, Activities & Assignments
Week 1	<p>Course Overview</p> <p>Informatics Basics</p> <ul style="list-style-type: none"> <li>• Introduction to Nursing Informatics: Managing healthcare information</li> <li>• Essential computer and software concepts</li> <li>• Basic computer networking concepts</li> <li>• Social and professional networking</li> </ul>	<p>What is Nursing Informatics?</p> <p>Readings:</p> <p>Chapters 1</p> <p>Chapter 2</p> <p>Chapter 3</p> <p>Chapter 4</p> <p>Activities: Lecture and online discussion</p> <p>Assignment 1: Review Technology Informatics Guiding Education Reform (TIGER) competencies and complete the self-assessment</p>
Week 2	<p>Computer Applications for your Professional Career</p> <ul style="list-style-type: none"> <li>• Authoring scholarly word documents</li> <li>• Authoring scholarly slide presentations</li> <li>• Mastering spreadsheet software to assess quality outcomes using numbers</li> <li>• Databases: Creating information from data</li> </ul>	<p>Use of the computer in nursing</p> <p>Readings:</p> <p>Chapter 5</p> <p>Chapter 6</p> <p>Chapter 7</p> <p>Chapter 8</p> <p>Activities: Lecture and online discussion</p> <p>Assignments: Quiz 1</p>
Week 3	<p>Information Competency</p> <ul style="list-style-type: none"> <li>• Information literacy: A road to evidence-based practice</li> <li>• Finding knowledge in the digital library haystack</li> <li>• Embarking on the quest for knowledge</li> </ul>	<p>Literacy competency and computers</p> <p>Readings:</p> <p>Chapter 9</p> <p>Chapter 10</p>

Weeks	Topic	Readings, Activities & Assignments
	<ul style="list-style-type: none"> <li>• Mobile computing</li> </ul>	Chapter 11 Chapter 12 Activities: Lecture and online discussion Assignments: Quiz 2
Week 4	The Evolving Healthcare Paradigm <ul style="list-style-type: none"> <li>• Informatics benefits for the consumer</li> <li>• The empowered consumer</li> <li>• Interoperability at the national and international levels</li> <li>• Nursing documentation in the age of the electronic health record</li> </ul>	The changing healthcare model Readings: Chapter 12 Chapter 13 Chapter 14  Chapter 15 Activities: Lecture and online discussion Assignment 2 HIPAA Risk Assessment Case Study; Quiz 3
Week 5	Healthcare Informatics <ul style="list-style-type: none"> <li>• Electronic healthcare information systems, electronic health records, and meaning use</li> <li>• Quality measures and specialized electronic healthcare information systems</li> <li>• Quality measures and electronic healthcare system issues</li> <li>• Evolving trends in telehealth</li> </ul>	Regulations, quality, and trends Readings: Chapter 17  Chapter 19  Chapter 20  Chapter 21 Activities: Lecture and online discussion Assignment 3: Case Study- Electronic health records

Weeks	Topic	Readings, Activities & Assignments
		change theory. Read about Change Theories, pp. 252-254; Quiz 4.
Week 6	<p>Computer Uses in Healthcare Beyond Clinical Informatics</p> <ul style="list-style-type: none"> <li>• Educational Informatics: e-Learning</li> <li>• Informatics in management and quality improvement</li> <li>• Informatics and research</li> </ul>	<p>Informatics and computers beyond the bedside</p> <p>Readings:</p> <p>Chapter 22</p> <p>Chapter 23</p> <p>Chapter 24</p> <p>Activities: Lecture and online discussion</p> <p>Assignments: Group project on assigned topic.</p>
Week 7	<p>Course wrap-up</p> <p>Legal and Ethical Issues</p> <p>Final exam</p>	<p>Readings:</p> <p>Chapter 25</p> <p>Activities: Online discussion, review content weeks 1-6.</p> <p>Assignments: Final exam; IDEA survey</p>

### **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](mailto: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](mailto: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 – Dennis M. Cook, Director, Department of Special Services, ADA/504 Officer at 856-415-2265 or [dcook@rcsj.edu](mailto:dcook@rcsj.edu); or Cumberland Campus – Meredith Vicente, Senior Director, Physical & Learning Disabilities, Center for Academic & Student Success (CASS) at 856-691-6900 ext. 1282 or [mvicent1@rcsj.edu](mailto:mvicent1@rcsj.edu)

### **Department of Special Services**

The Department of Special Services is located in the Instructional Center, room 425A. The Special Services Department is committed to providing support services and ensuring equal access to eligible students with documented disabilities as outlined by the Americans with Disabilities Act (ADA) and the Americans with Disabilities Act with Amendments. If you are an eligible student with a documented disability please visit our website at [RCSJ.edu/SpecialServices](http://RCSJ.edu/SpecialServices) or call the office at 856-415-2265 or 856-415-2247 to speak to the Assistant Director Carol Weinhardt, [cweinhar@rcsj.edu](mailto:cweinhar@rcsj.edu).

## Reporting Allegations of Sexual Assault and Resource Referrals (8/2020) 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
<b>Non-Confidential Reporting</b>  Local Law Enforcement	Gloucester County Sheriff's Office Deptford Township Police Dept. Gloucester Co. Prosecutor's Office Sexual Assault Response Team	856-681-2200 856-845-2220 856-384-5500 856-384-5555
<b>Non-Confidential Reporting 9-1-1 and Campus Security</b>	9-1-1 Gloucester County Emergency Management Dispatch  Campus Security <b>Blue Light Emergency Phones OR ext. 4444 from any campus desk phone</b>	9-1-1 or push <b>RED</b> button on Campus <b>Blue Light</b> Emergency Phones  856-681-6287
<b>Non-Confidential On-Campus Reporting Support Services</b>	Almarie J. Jones Special Assistant to the President <b>Diversity and Equity/Title IX and Compliance</b>  John F. Ryder Director <b>Student and Veteran Affairs</b>	856-415-2154 College Center, Room 116 <a href="mailto:ajones@rcsj.edu">ajones@rcsj.edu</a>  856-468-5000, ext. 6456 College Center, room 202 <a href="mailto:jryder@rcsj.edu">jryder@rcsj.edu</a>
<b>Confidential On-Campus Counseling and Support Services</b>	Lois Y. Lawson-Bridgell, Ph.D. MSW, LSW, Director <b>Counseling &amp; Wellness Services Center</b>  William Leonard, Ph.D. <b>Intervention Teams Consultant</b>  Crystal Noboa, LSW, MSW Director, The Center for <b>People in Transition (PIT)</b>  Diane Mussoline, EdS, LMFT <b>Director of Behavioral Services</b>	856-464-5236 <a href="mailto:llawsonb@rcsj.edu">llawsonb@rcsj.edu</a> College Center, Room 206  <a href="tel:856-415-2119">856-415-2119</a> <a href="mailto:wleonard@rcsj.edu">wleonard@rcsj.edu</a> <a href="mailto:wleonard@rcsj.edu">College Center, STEM Office C-168</a>  856-415-2264 <a href="mailto:cnoboa@rcsj.edu">cnoboa@rcsj.edu</a> Workforce Development Bldg., room 809  856-494-5665 <a href="mailto:dmussoli@rcsj.edu">dmussoli@rcsj.edu</a> College Center, Room 200A
<b>Confidential Off-Campus Full-Service Support</b>	<b>Center for Family Services/ Services Empowering Rights of Victims (SERV)</b>	1-866-295-7378 Camden and Gloucester counties <a href="http://centerffs.org/serv">centerffs.org/serv</a>
<b>Hospitals with Sexual Assault Nurse Examiners</b>	Inspira Medical Center  Jefferson Washington Township Hospital	700 Mullica Hill Rd. Mullica Hill, NJ · 856-508-1000  435 Hurffville-Crosskeys Rd., Turnersville, NJ · 856-582-2500