



**Course Syllabus
 CBC PROFESSIONAL NURSING
 RNSG 2206 NURSING INFORMATION SYSTEMS
 Course Rubric
 Level 3**

Meeting time: Online
Location of course: Online
Instructor: Vincent Sowell, MBA, MSN, RN, NEA-BC
Email: vsowell1@coastalbend.edu
Office Hours: By appointment

*******NOTE TO STUDENT*******

Student success is our number one priority at Coastal Bend College and we realize that prompt, effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their phone number, email address, and if applicable, their office number, and office hours. If you ever have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the Assistant Dean of Academics, or the Dean of Academics, as soon as possible. Their contact information is provided below:

<p><i>Julia Garcia, Dean of Workforce Training (830) 569-4222 X1202 jgarcia@coastalbend.edu</i></p>	<p><i>Noemi Aguilar, Assistant Dean of Technical Instruction (361) 354-2306 aguilar@coastalbend.edu</i></p>
	<p><i>Loana Hernandez, Assistant Dean of Allied Health (361) 664-2981 ext. 3037 lhernandez@coastalbend.edu</i></p>

We wish you all the best in your education and encourage you to contact us if you have any questions or concerns.

Keeping student success in sight, faculty in each of the courses will review with students, course information with specific reading schedules, assignments, and testing information during the first week of class. Additionally, the course information will be posted to Blackboard (THECB 60x30TX compliance).

Course Description: A course which examines information systems and documentation tools utilized in nursing practice.

Semester Hours Credit: 2

Lecture/Lab Hours: 2

Prerequisite: Admission into the professional nursing program.

Textbook(s): Informatics and Nursing, Sewell & Thede (2013) 4th ed. or most current. ISBN: 9780132574952

Learning Outcomes:

Upon successful completion of this course, the associate degree nursing student will demonstrate the ability to access selected information systems tools to manage health care data in nursing practice; identify technological developments in health care information; utilize critical thinking to identify and apply appropriate technical psychomotor skills necessary to provide care for clients.

Related Level Objectives:

- Identify components of a client's health status and health needs
- Identify the components of a systematic approach to a plan of care
- Identify elements of a plan of care
- Understand function of a teaching plan
- Understand the elements of a systematic approach to decision making
- Identify the interaction of various health care provider roles in the provision of care to client
- Identify the organizational structure within healthcare facilities
- Assume accountability and responsibility for own learning
- Understand the role of the nurse as an advocate
- Assume accountability and responsibility for the quality of nursing care provided to clients

COURSE OBJECTIVES:

- A. Prepare the associate degree nursing student with skills in technology informatics which will allow the integration of the art and science of nursing with new tools to provide the most knowledgeable and safe care possible. As evidenced by:
 1. Interpret the changes in health care that are influenced by informatics
 2. Describe the theories on which informatics are developed
 3. Identify uses for unique input and output computer devices
 4. Identify the purposes of software

- B. Explore technological infrastructures and support critical to the health care system. As evidenced by:
 1. Describe the technological systems in local health care facilities
 2. Understand computer concepts
 3. Discuss the cultural significance of technology in the healthcare arena
 4. Describe the effect of organization’s policy in developing and maintaining a technological environment

- C. Discuss the significance of informatics design to support the essence of nursing and effective care delivery. As evidenced by:
 1. Utilize eHealth tools
 2. Utilize various software to develop a patient teaching presentation
 3. Define a clinical nursing problem that can be solved by a computer solution
 4. Discuss the ethics of an electronic patient record.
 5. Discuss the role of management and leaders in establishing a technologic environment

Student Learning Outcomes: Upon successful completion of RNSG 2206 the student will demonstrate competencies as follows:

1. Utilize critical thinking skills to demonstrate the ability to access selected information systems tools to manage health care data in nursing practice as evidence by scoring 75% or greater on mid-term grade in RNSG 2206.
2. Utilize critical thinking to identify and apply appropriate technical psychomotor skills necessary to provide care for clients as evidence by scoring 75% or greater on mid-term grade in RNSG 2206.

Course Outline:

Week	Lecture Topic	Assignments
1	<p align="center"><u>UNIT 1: Informatics Basics</u></p> <p>Chapter 1: Introduction to Nursing Informatics: Managing Healthcare Information</p> <p>Chapter 2: Essential Computer and Software Concepts</p>	Chapter Discussions
2	<p>Chapter 3: Basic Computer Networking Concepts</p> <p>Chapter 4: Social and Professional Networking</p>	Chapter Discussions
3		<u>Exam #1</u>



4	<p><u>UNIT II: Computer Applications for Your Professional Career</u></p> <p>Chapter 5: Authoring Scholarly Word Documents</p> <p>Chapter 6: Authoring Scholarly Slide Presentations</p>	Chapter Discussions
5	<p>Chapter 7: mastering Spreadsheet Software to Assess Quality Outcomes Using Numbers</p> <p>Chapter 8: Databases: Creating Information from Data</p>	Chapter Discussions
6		Exam #2
7	<p><u>UNIT III: Information Competency</u></p> <p>Chapter 9: Information Literacy: A Road to Evidence-Based Practice</p> <p>Chapter 10: Finding Knowledge in the Digital Library Haystack</p>	Chapter Discussions
8	Chapter 11: Mobile Computing	<p>Chapter Discussions</p> <p>Project #1 Due</p>
9		Exam #3
10	<p><u>UNIT IV: The evolving Healthcare Paradigm</u></p> <p>Chapter 12: Informatics Benefits for the consumer</p> <p>Chapter 13: The Empowered Consumer</p>	Chapter Discussions
11	<p>Chapter 14: Interoperability at the National and the International Levels</p> <p>Chapter 15: Nursing Documentation in the Age of the Electronic Health Record</p>	Chapter Discussions
12	Thanksgiving Break	

13		<u>Exam #4</u>
14	<p><i><u>Unit V: Healthcare Informatics</u></i></p> <p><u>Chapter 17:</u> Educational Informatics : e-Learning <u>Chapter 21:</u> Administration Tools for Efficiency</p>	<p>Project #2 Due</p> <p>Chapter Discussions</p>
15	<p><i><u>Unit VI: Computer Uses in Healthcare Beyond Clinical Informatics</u></i></p> <p><u>Chapter 22:</u> Educational Informatics: e-Learning</p> <p><u>Chapter 23:</u> Informatics in Management and Quality Improvement</p>	Chapter Discussions
16	Final Exam	TBD

Evaluation Methods: : (GRADING CRITERIA)

1. Chapter Tests - 40% of final grade
2. Discussions, Projects -10%
3. The Final examination – 50% of the final grade
4. A final grade of C is required at the end of the semester
5. A minimal final grade of 75 is required at end of semester to pass the course

Grading Scale:

- A =90-100
- B =80-89
- C =75-79
- D =70-74
- F =Below 70

Technical Support:

Email Support:	<p>helpdesk@coastalbend.edu</p> <p>cabrigo@coastalbend.edu</p> <p>ycharles@coastalbend.edu</p>
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Telephone Support:	866-722-2838 ext. 2508 (Toll Free) 361.354.2508 (Direct Line)
Live Chat:	Fall/Spring Hours: Monday-Thursday 8 a.m. to 8 p.m.; Friday 8 a.m. to 5 p.m. Summer Hours: Monday-Thursday 7 a.m. to 6 p.m.

Tutoring Services: Coastal Bend College offers free tutoring services to all CBC students who need academic assistance. Services include One-on-One, Group, and Online tutoring to all current CBC students. The Tutoring Coordinator’s office is at CBC-Beeville in the Student Success Center (SSC), Room 140 which is in the R.W. Dirks building. The SSC’s hours of operation are Monday -Thursday from 8 am – 8 pm. Tutoring services are also available at all the CBC site locations and students can visit the site’s SSC. For questions regarding tutoring services, please contact the CBC Tutoring Coordinator at (361) 354-2838 ext. 2578 or visit us at our website at: <http://coastalbend.edu/tutoring/>.

Beeville	Alice	Kingsville	Pleasanton
3800 Charco Road Beeville, TX 78102 1-866-722-2838	704 Coyote Trail Alice, TX 78332 1-866-891-2981	1814 Brahma Blvd. Kingsville, TX 78363 1-866-262-1615	1411 Bensdale Pleasanton, TX 78064 1-866-361-4222

Grady C. Hogue Learning Resource Center (Library): Located on the Beeville campus, the operation hours are Monday - Thursday 8:00 a.m. - 6:00 p.m.; Friday 8:00 a.m.- 5:00 p.m.

(Summer semesters will observe the CBC campus operation hours.) For locations and hours of CBC library in Alice, Kingsville, and Pleasanton sites please visit the library web page links below.

Grady C. Hogue Learning Resource Center (Library): <http://lrc.coastalbend.edu/about>
 Online Catalog : <http://lrc.coastalbend.edu/catalog>
 Library Website: <http://lrc.coastalbend.edu/about>
 Hours and Locations: <http://lrc.coastalbend.edu/hours>

Pleasanton Public Library: <https://pleasanton.biblionix.com/>
 115 N. Main St., Pleasanton, TX 78064
 Monday – Friday 9:00 a.m. – 6:00 p.m.
 Saturday 9:00 a.m. – 1:00 p.m.



Financial Aid: Resources are available for students for financial aid, work study, and veteran benefits. For additional information, visit our website at www.coastalbend.edu/financialaid or contact us at 361-354-2238. Office hours: Monday-Thursday 7-6 and Friday 8-5 (*THECB 60x30TX compliance.*)

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

See at: [GA \(Legal\)](#)

Students with Disabilities: Please notify your instructor of any modification/adaptation you may require to accommodate a disability-related need. You will need to provide documentation to the Director of Student Services so the most appropriate accommodations can be determined. Specialized services are available through the Office of Disability Services (SSB 4.104, 471-6259). For more information contact (361) 354-2300.

Scholastic Dishonesty: Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College Policies [FLB \(Local\)](#) and [FM \(Local\)](#). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.

Use of E-mail for Official Correspondence to students: All students should be familiar with the college's official email student notification policy. Students are expected to check their CBC email on a frequent and regular basis to stay current with college-related communications, recognizing that certain communications may be time-critical. CBC email format: last name with last four digits of social security number @study.coastalbend.edu and password is your student ID (ex. cougar1234@study.coastalbend.edu).

Copyright Law and Intellectual Property Rights Policy: Copyright is the right of an author, artist, composer or other creator of a work of authorship to control the use of his or her work by others. Protection extends to literary works, musical works, dramatic works, pantomimes and choreographic works, pictorial and graphic works, sculpture, motion pictures and other audiovisual works, sound recordings and architectural works. Generally speaking, a copyrighted work may not be reproduced by others without the copyright owner's permission. The public display or performance of copyrighted works is similarly restricted. Generally, the unauthorized reproduction, performance or distribution of a copyrighted work is copyright infringement and may subject the infringer to civil and criminal penalties. The Fair Use Doctrine outlines exceptions to this Law and is outlined in Coastal Bend College Policy, [CT \(Legal\)](#).

Coastal Bend College



Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to the Director of Library Services at: library@coastalbend.edu or the Office of Marketing and Public Relations at: socialmedia@coastalbend.edu.

Intellectual Property: Student /Third Party Works: Rights to copyrightable or patentable works created by a student or a third party, that is, not a College District employee, shall reside with the author/ creator. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to Library Services at: library@coastalbend.edu.

NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.