



VOCATIONAL NURSING PROGRAM

VNSG 1331

PHARMACOLOGY

SPRING 2014

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**BRAZOSPORT COLLEGE VOCATIONAL NURSING PROGRAM
VNSG 1331
PHARMACOLOGY**

Course Information

1. Course Name: Pharmacology
2. Course Number: VNSG 1331 Pharmacology. CIP 51-3901 (3 lecture, 0 lab, 3 credits)
3. Classroom: HS 109
4. Class Day(S) & Time: see Daily Schedule

Faculty

Chesney Sisson RN
Office Hours: posted
Office Phone: 979-230-3472

Course Description and Core content

Fundamentals of medications and their diagnostic, therapeutic, and curative effects. Includes nursing interventions utilizing the nursing process. Drug classifications, actions, contraindications, side effects, and adverse reactions are included.

VNSG 1331, pharmacology, is an introductory course that will assist the student in identifying drug classifications, indications, safe dosage ranges, actions, contraindications, side effects, and adverse reactions of commonly used medications. The nursing process will be utilized in the teaching/learning process.

Program Outcomes

Course specific competencies and learning outcomes flow from Program Outcomes. Program outcomes are the Differentiated Essential Competencies (DECs) defined and published by the Texas Board of Nursing. (DEC) are defined in four categories; 1) Member of the Profession, 2) Provider of Patient-Centered Care, 3) Patient Safety Advocate, and 4) Member of the Health Care Team. Integral to program and course outcomes are the QSEN Competencies. The QSEN competencies are integrated with DEC competencies throughout the nursing curriculum; progressing from simple to complex.

Minimum safe entry-level nursing practice is assessed by the NCLEX-PN licensure exam. The National Council of State Boards of Nursing (NCSBN <https://www.ncsbn.org>) maintains and revises the NCLEX-PN licensure exam. The NCLEX-PN is revised every three years. Exam revisions are based on comprehensive research of new graduate nurse activities. The NCLEX-PN test blueprint contains weighted assessment categories based on graduate nurse activities. Nurse activities describe expectations, duties, and responsibilities.

Course Learning Outcomes:

Upon completion of the course, student will be able to:

I. Member of the Profession:

II. Provider of Patient-Centered Care:

Outcome B: Demonstrate understanding of determining the physical and mental health status, needs, and preferences of culturally, ethnically, and socially diverse patients and their families based on interpretation of health related data.

Learning Outcomes:

7. Describe common disease processes, medication administration and other therapies and treatments.

Outcome E: Demonstrate understanding of implementing aspects of the plan of care within legal, ethical, and regulatory parameters and in consideration of patient factors as they relate to pharmacology

Learning Outcomes:

1. Describe properties, effects, and basic principles underlying the use and administration of pharmacotherapeutic agents, including patients' responses.
 - a) Describe the uses, actions, side effects, and potential adverse reactions of the following groups of pharmacological agents:
 - Cardiovascular
 - Urinary
 - Endocrine
 - Gastrointestinal
 - Musculoskeletal
 - Neurological
 - Anti-infective
 - Immunological
 - Antineoplastic
 - Psychotropic
 - Respiratory
2. List common nursing interventions associated with the various pharmacotherapeutic agents.

III. Patient Safety Advocate:

Outcome B: Demonstrate understanding of pharmacology and how it relates to promoting quality care and a safe environment for patients, self, and others.

Learning Outcomes:

1. Identify the principles of patient safety as it applies to pharmacotherapeutic agents.
 - a) Describe the uses, actions, side effects, and potential adverse reactions of the following groups of pharmacological agents:
 - Cardiovascular
 - Urinary
 - Endocrine
 - Gastrointestinal
 - Musculoskeletal
 - Neurological
 - Anti-infective
 - Immunological
 - Antineoplastic
 - Psychotropic
 - Respiratory

IV. Member of the Health Care Team:

Student Responsibilities

Students are expected to attend all scheduled classes, complete all written and reading assignments, to be prepared and participate in classroom, laboratory and clinical activities to meet or exceed set forth by the faculty in the *Vocational Nursing Program Student Handbook*. Students have the opportunity to evaluate instructor and course at the end of the course.

Teaching Strategies

Teaching strategies used in the course may include lecture, large and small group work and discussion, presentations, ATI, internet, films, exams, quizzes and computer software programs to enhance student learning.

COURSE REQUIREMENTS, EVALUATION METHODS, AND GRADING CRITERIA**COURSE REQUIREMENTS**Academic Honesty

Students are expected to demonstrate personal and professional integrity at all times (See Nursing Student Handbook and College Catalogue.)

Attendance

Absences will lower student grade and may result in course failure. No Cell phones or pagers are allowed in the classroom or lab. If a student leaves class before a regular break, the student will accrue lost hours. (See Vocational Student Handbook and Attendance Policy.)

Preparation for Class

Students must complete all written and reading assignments prior to class (See course schedule for topics and resources), be prepared and participate in classroom discussions.

EVALUATION METHODS

Content mastery is assessed through written assessments, quizzes, written assignments, presentations, professional papers, normed assessments, critical thinking activities, and application via patient scenarios.

GRADING CRITERIAGrade Scale

The Brazosport LVN Program uses the following grading scale throughout the program

A = 90-100 B= 80-89 C= 75-79 F= 74.9 and below

A minimum grade of 75 is required in this course to progress in the LVN Program Final grades less than 75% are not rounded up (74.9% will not be rounded up to 75%). A grade of C- (74.9%) or less is failing. (74.9%) or less is failing. Students earn grades. Grades are not deserved. Grades are not inflated or curved in the nursing program. Students with grade dependent scholarships are responsible for earning required grades. Faculty members will not inflate or adjust grades, or provide special assignments for students with scholarship or other financial return based on grades. Requesting faculty members to adjust grades is considered unprofessional behavior.

Course Grade

The final course grade is derived from the following course requirements:

Exams	60%
Final Exam	30%
ATI Pharmacology Comprehensive	10%

Assignments, Class Participation/ATI Pre and Post Tests:

Students must complete all written and reading assignments prior to class (See course schedule for topics and resources), be prepared and participate in classroom discussions. Participation will include but is not limited to all pre and post tests that are included with assigned module, class notes/outlines, comprehension cards, drug forms and written assignments. All assignments, notes/outlines, pre and post tests must be presented each class day at the beginning of class. Students are still responsible for turning in the assignment regardless whether the grade resulted in a zero. Failure to turn in the assignment will result in course failure. Arriving to class without complete preparation results in the inability to attend class during topic discussion.

Drug Class/Group Form:

Succeeding in pharmacology requires the ability to recognize drugs by generic and brand names, group class; understanding how a drug works, its use(s), assessment for side effects, adverse reactions, contraindications and effectiveness. The drug class form is a tool used to organize drugs by class so that the student is able to correlate drug action, uses, contraindications and adverse reactions, and assessment findings. The forms are a part of class preparation and participation and are required to attend class. The forms for each lesson must be completed in order to take the exam.

Assignments

All written assignments are due the DUE date and time designated by the instructor. No late work is accepted after due date and time. The student is still responsible for turning in the assignment regardless whether the grade resulted in a zero. Failure to turn in the assignment will result in course failure.

The American Psychiatric Association (APA) Publication Manual is the selected style manual for nursing programs. **All required written work** must be formatted in APA style, typed and error free. Use the Purdue online resource for APA information regarding APA format and style <http://owl.english.purdue.edu/owl/resource/560/01/>. Example provided

All written assignments must be saved in **Microsoft Word** document and submitted electronically (unless otherwise specified by faculty), any other format will result in point deduction

An electronic version of the grade sheet/rubric if provided, must be included as part of the paper upon submission.

Saved documents must be named and saved in the following format: Save as **Last name_First name_course name (i.e. Clinical I)_name of assignment (i.e. conceptmap1)**, any other format will result in point deduction.

BRAZOSPORT COLLEGE has a writing center to assist students; use it.

Make-up Course work and Exam Policy

See Student Handbook for program exam policies. Instructors specify additions instructor preferences and classroom management. All make-up examinations must be completed through Learning Services – Testing Services the day the student returns to class/clinical. Students are not allowed to use scheduled class time for make-up exams. It is the responsibility of the student to schedule time with Testing Services and execute the make-up exam. Failure to meet the criteria will result in an exam grade of 0. Assignments and quizzes missed due to absence or tardy cannot be made up. Students **cannot** leave an exam until completed.

Exams are graded and evaluated after class and grades conveyed according to written guidelines in the class syllabus. Exam review will be scheduled outside regular class time periods and are optional. Each instructor provides guidelines beyond the handbook for challenging an exam item and grade notification. Do not ask instructors to deviate from written policy and procedure.

Remediation Requirements

Mastering course content is important to safe and effective nursing practice. In order to successfully master content, students will be required to remediate for all grades below 80 using PrepU text resources. Achieving a level of 4.0 will be considered satisfactory for areas. All course remediation must be completed **PRIOR TO** scheduled course final exam. If all course remediation is not complete at time of final exam, student will not be allowed to take final exam and will therefore obtain a score of zero (0) on the final. **Please notify the course instructor via email when remediation is complete.**

Transitional Education and Supplemental Instruction Resources

Appointments for tutoring must be made with Pat Jeffreys, SI Coordinator/Tutor Training and Nursing Department, at 979-230-3322 or pat.jeffreys@brazosport.edu.

Statement of Equal Opportunity

It is the policy of Brazosport College not to discriminate on the basis of gender, disability, race, creed, color, age, and national origin in its educational and vocational programs, activities, or employment as required by Title IX, Section 504 and Title VI.

ADA Statement

The Vocational Nursing Program complies with college policies regarding rights of individuals with disabilities. Applicants and students must notify the college of disabilities. The purpose of ADA is to provide a clear and comprehensive national mandate for elimination of discrimination against individuals with disabilities, to provide clear, strong, consistent enforceable standards addressing discrimination, to ensure the Federal government plays a central role in enforcing standards established in this act on behalf of individuals with disabilities. (1991) An individual with a disability is a person who has a physical or mental impairment that substantially limits a "major life activity," or has a record of such impairment, or is regarded as having such impairment. A qualified individual with a disability is one who meets essential eligibility requirement for the program or activity offered by a public entity with or without reasonable accommodation. (ADA 1630.20) Essential functions are those functions the individual who holds the position must be able to perform unaided or with the assistance of a reasonable accommodation. (ADA 1630.20). Reasonable accommodation: "Change in the way things are customarily done that will enable an individual with a disability to enjoy equal opportunities." (ADA 1620.20)

Performance requirements are basic activities a student must be able to complete in a reasonably independent manner. A student who poses a direct threat to health or safety of others or themselves does **not** meet clinical and skills competencies required by Vocational Nursing Program. A "direct threat" is defined as a significant risk to health or safety of others that cannot be eliminated or reduced to acceptable levels by modification of policies, practices or procedures, by provision of auxiliary aids or services. Determination is made on an individual basis. Nursing students must be fully able to comply with program Critical Core Attributes throughout entire program (See Critical Core Attributes).

HIPAA

Students are accountable and responsible for maintaining strict confidentiality of patient information. Breach in confidentiality results in disciplinary action and possible dismissal from the nursing program. Patient confidentiality includes oral, written and electronic communication. The Health Insurance Portability and Accountability Act (HIPAA), is a Federal law which prohibits unauthorized disclosure of private patient information. HIPAA provides both civil and criminal penalties for violations that range from fines of \$250,000 and 10 years in prison.

Students should inform family members of the program's privacy policy. Student information of any kind is not discussed or released to any family member. Family, friends, children, relatives, or any other non-program related persons are NOT permitted at college, in class, at clinical, or at any other program event, unless specifically invited.

Honor Code

Academic dishonesty is not tolerated in any form. Dishonesty is a serious offense which can result in automatic failure and program dismissal. Academic dishonesty is defined to include cheating on examinations, removing information about exam content from the classroom, and plagiarism. Plagiarism is further defined as "the act of using source materials of other persons (either published or unpublished) without following accepted crediting procedures. Offending material that may constitute plagiarism includes, but not limited to: bibliography cards, formal papers, book reports, written nursing care plans, papers, presentations, and other submissions. The accepted format for crediting and citing sources is APA most current edition.

REQUIRED TEXTBOOKS AND RESOURCES

Assessment Technologies Institute (2010). *Comprehensive and review program (CARP)*. www.atitesting.com

Assessment Technologies Institute (2010). *Dosage calculation*. www.atitesting.com

Karch, A. M. (2013). *Focus on pharmacology* (6th ed). Philadelphia: Lippincott, Williams & Wilkins.

Karch, A. M. (2013). *PrepU for Karch's focus on nursing pharmacology*. Online service. Philadelphia: Lippincott, Williams & Wilkins.

Sommers, M., (2011). *Diseases and disorders a nursing therapeutics manual* (4th ed). Philadelphia: F.A. Davis Company.

Timby, B. and Smith, N., (2014). *Introductory medical-surgical nursing*. (11th ed). Philadelphia: Lippincott, Williams & Wilkins.

Timby, B. and Smith, N., (2013). *PrepU for Timby's introductory medical-surgical nursing* (10th ed). Online service. Philadelphia: Lippincott, Williams & Wilkins

Equipment- Reliable access to computer, high-speed internet and printer.

OTHER STUDENT SERVICES INFORMATION

Information about the Library is available at www.brazosport.edu/~lib/Information.htm or by calling 979-230-3310.

Writing Center

Located within the Student Success Center (second floor of the main building above the counseling and registration office) is the Brazosport College Writing Center. The Writing Center provides drop-in tutoring Monday – Thursday 9 am – 8 pm and Friday 9 am – noon. Online tutoring and other times are available by appointment. The Writing Center can assist with brainstorming, organizing and developing paragraphs, understanding professors' directions, learning about MLA or other styles, learning how to avoid plagiarism, improving mechanics, using Microsoft Word, becoming an even stronger writer, and much, much more. Check out our growing collection on handouts, videos, and other online resources, too.

Math Center

Located within the Student Success Center (second floor of the main building above the counseling and registration office) is the Brazosport College Math Center. The Math Center provides drop-in tutoring Monday – Thursday 9 am – 8 pm and Friday 9 am – noon. The Math Center can assist with transitional math, college algebra, trigonometry, accounting, statistics, calculus, and every other math course offered at the college. Check out our growing collection on handouts, videos, and other online resources, too.

The Student Services provides assistance in the following:

Counseling and Advising	979-230-3040
Financial Aid	979-230-3294
Student Activities	979-230-3355

To reach the Information Technology Department for computer, email, or other technical assistance call the Helpdesk at 979-230-3266.

Changes to the syllabus may be made at any time at the discretion of the faculty. Student will be notified of the change. Student acknowledgement of the change(s) will be obtained in written form and retained in student permanent file.

Revised 10/13

COURSE SCHEDULE

(Instructors reserve the right to change the course schedule as needed to meet course objectives)

Topics	Required Reading: Focus on Nursing Pharmacology	Assignment	Additional Resources: ATI: PN Pharmacology For Nursing	Exams:
Intro to Pharmacology Intro to Nerves and the Nervous System Muscle Relaxants Narcotics, Narcotic antagonists & Antimigraine Non-narcotics General & Local Anesthetic Agents Neuromuscular Junction blocking agents	Chapters: 1-6 Chapter 19 Chapter 25 Chapter: 26 Pages 258-272 Chapter: 27 Chapter: 28	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 1: Basic Pharmacologic Principles & Safe Administration of Medications Unit 9: Medications for Pain and Inflammation Chapter 30: Rheumatoid Arthritis ATI: Drug Guide Term Search	Exam I
Anti-infective Agents Antibiotics Antiviral Agents Antifungal Agents Antiprotozoal Agents Antineoplastic Drugs (As time Permits) Urinary Tract Anti-infectives	Chapter: 8 Chapter: 9 Chapter: 10 Chapter: 11 Chapter: 12 Chapter: 14 Pages: 874-878	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 11: Medications for Infection Chapter 38: Medications Affecting the Immune System Pg. 307: Leukopoietic Growth Factors Pg. 308: Granulocyte Macrophage Colony stimulation factor ATI: Drug Guide Term Search	Exam II
Drugs Acting on the Gastrointestinal System Antihelminthic Agents Drugs Used to Treat Anemias Vitamins and Minerals Urinary Tract Antispasmodics Other Drugs Affecting the Urinary Tract & Bladder Drugs for Treating Benign Prostatic Hyperplasia Drugs Acting on the Respiratory System	Chapters: 57, 58 Chapter 13 Chapter 49 Appendices: D Chapter: 52 pgs 878-881 Chapter: 52 pg 881-884 Chapter: 52 pgs 884-887 Chapters: 54-55	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 6: Medications Affecting the Digestive system & Nutrition Chapter 31: Bone Disorders Chapter 42: Urinary Tract Infections Pg. 305 Erythropoietic Growth Factors Unit 3: Medications Affecting the Respiratory System ATI: Drug Guide Term Search	Exam III

Topics	Required Reading: Focus on Nursing Pharmacology	Assignment	Additional Resources: ATI: PN Pharmacology For Nursing	Exams:
Medications Affecting the Endocrine System Drugs Acting on the Reproductive System	Chapters: 34-38 Chapters: 40-41	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 10: Medications Affecting the Endocrine System Unit 7: Medications Affecting the Reproductive Tract ATI: Drug Guide Term Search	Exam IV
Diuretic Agents Drugs Affecting Blood Pressure Into to the Autonomic Nervous System Adrenergic Agonists Adrenergic Blocking Antagonist Cardiotonic Agents Antiarrhythmic Agents Antianginal Agents Lipid-Lowering Agents Drugs Affecting Blood Coagulation	Chapter 51 Chapter 43 Chapter 29 Chapter 30 Chapter 31 Chapter 44 Chapter 45 Chapter 46 Chapter 47 Chapter 48	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 4: Medications Affecting the Cardiovascular System Chapter 24: Medications Affecting coagulation ATI: Drug Guide Term Search	Exam V
Anxiolytic and Hypnotic Antidepressant Agents Psychotherapeutic Anti-seizure agents Antiparkinsonism Into to the Autonomic Nervous System Cholinergic Agonist Anticholinergic Agents	Chapter 20 Chapter 21 Chapter 22 Chapter 23 Chapter 24 Chapter 29 Chapter 32 Chapter 33	Read chapters, write outline and prepare to discuss medications Be prepared to present class action, route, dose, uses, assessment data needed prior to administration, and evaluation of medication effectiveness! Ability to fully participate in medication discussion will be part of exam grade.	Unit 2: Medications Affecting the Nervous System ATI: Drug Guide Term Search	Exam VI ATI Comprehensive
Final Exam				Final



Syllabus Receipt Acknowledgement

Pharmacology VNSG 1331

I received and read the syllabus, course requirements, required text, equipment, and materials for VNSG 1331 Pharmacology.

My questions have been answered and clarified. I will seek clarification if needed. I understand there are no verbal contracts. Instructors may change the syllabus as needed to meet course and program outcomes. I am accountable and responsible for all syllabus information.

Student print name / date

Student sign name / date

Retained in student permanent file



**Brazosport
College**
VOCATIONAL NURSING PROGRAM
DIDACTIC COURSE EVALUATION

VNSG 1331 Pharmacology

Faculty Name:

Date:

Student feedback is critical to maintaining or improving quality courses. Take a moment to complete this form. Completion of this questionnaire is voluntary.

Course Offering

Please Circle the Appropriate Box

	Below Expectation	Average	Exceeded Expectation		
1. Matched Description in Course Syllabus	1	2	3	4	5
2. Textbook/Materials/Handouts	1	2	3	4	5

If you rank any of the above "below average" please provide additional comments:

The length of this course was:

Just Right

Too Short

Too Long

Explain:

What learning Strategies/Activities used for this course did you find **most** valuable?

What learning Strategies/Activities used for this course did you find **least** valuable?

Are there other Strategies/Activities that you recommend using, please list?

The Instructor

Please Circle the Appropriate Box

	Below Expectation	Average	Exceeded Expectation		
1. Knowledge of Subject Matter	1	2	3	4	5
2. Organized and Prepared	1	2	3	4	5
3. Encouraged Active Learning	1	2	3	4	5
4. Clarified Misinformation if Topic/Discussion Was Not Clear	1	2	3	4	5
5. Accessible	1	2	3	4	5

If you rank any of the above "below average" please provide additional comments:

Environment

Please Circle the Appropriate Box

	Below Expectation	Average	Exceeded Expectation		
1. Environment Conducive to Learning (Temp, Restroom availability)	1	2	3	4	5

If you rank any of the above "below average" please provide additional comments:

The Student**Response:**

1. On Average, Hours Per Week Spent Preparing for Class Discussion	
2. Did You Seek Assistance From Instructor When Needed	Yes No Not Applicable

To preserve anonymity, please file out form electronically, print and submit to Health Professions Secretary

The Vocational Nursing Program prepares students for entry-level vocational nursing licensure and competent practice. After completion, students will be able to synthesize theories and principles necessary for licensure as a vocational nurse and develop critical thinking skills in preparation for their first job in vocational nursing. VOCATIONAL NURSING - Program Brochure. Accreditation Statement. The Vocational Nursing Program at LBCC is accredited by the Board of Vocational Nursing and Psychiatric Technicians (BVNPT), 2535 Capitol Oaks Dr., Ste. 205, Sacramento, CA, 95833, 916-263-7800. Pharmacology. One of the following options must be completed with a grade of C or better before admittance to the program: Pharmacology (ADN 225). Navarro College. Pharmacology. NURSING 1331 - Fall 2019. Register Now. Unit 4.pdf. 1 pages. Pharm_Scenario_10_RachaelHeidebrink_GRQ_revised.pdf. Navarro College. Pharmacology. Related Courses. NURSING 101 - skills (10 Documents). NURSING VNSG 1334 - Pediatrics (8 Documents). NURSING 1423 - Basic Skills (2 Documents). NURSING RNSG1227 - case study (1 Document). NURSING 1505 - Health Science (1 Document). Company. About Us Scholarships Sitemap Standardized Tests Education Summit. Get Course Hero. This course is an online lecture series covering the fundamentals of clinical pharmacology as a translational scientific discipline focused on rational drug development and utilization in therapeutics. The course focuses on the following core principles of pharmacology: pharmacokinetics; drug metabolism and transport; drug therapy in special populations; assessment of drug effects; drug discovery and development; pharmacogenomics and pharmacotherapy.