STANDARDIZED COURSE OUTLINE

SECTION I

SUBJECT AREA AND COURSE NUMBER: Nursing 101

CRN 3159 (day) /4597 (evening)

COURSE TITLE: Fundamentals of Nursing

COURSE CATALOG DESCRIPTION: This course introduces the student to concepts related to Man, his hierarchy of basic human needs, his adaptation to stress, and serves as a basis for the entire nursing program. The student is provided with fundamental knowledge and skills necessary to assist hospitalized individuals representative of diverse cultural groups meet their basic human needs. The effects of the stressors, aging and hospitalization are presented. Concepts of nutrition and pharmacology are introduced. Clinical experiences in skilled nursing facilities are selected for students to care for adult individuals.

LECTURE HOURS PER WEEK: 4

CREDIT HOURS: 6

LAB HOURS PER WEEK (if applicable): 6

PREREQUISITE(S): Admission to the Associate Degree Nursing Program, BIO 211, BIO

212, ENG 101 with minimum grade of C+.

SECTION II

A. SCOPE: The student will describe the effects of stressors on basic human needs. Apply physical and mental health principles in performing nursing activities to provide care to hospitalized individuals. Utilize the nursing process to assist hospitalized individuals meet basic human needs. Function in the nursing role in meeting basic human needs of hospitalized individuals.

B. REQUIRED WORK:

- Completion of required readings for each class period.
- 2. Submission of written clinical assignments (for example: care plans, data collection tool, BHN's model, Reflective Journal) on a weekly basis.
- Completion of five quizzes, 5 lab quizzes, and one final examination. A
 final grade is based on adherence to policies within the Division of
 Nursing and Health Careers and includes:

Examinations Quiz 1 13% 13% Quiz II 13% Quiz III 13% Quiz IV Quiz #5 13 % Lab Quizzes 10% (5 Mini guizzes- 2% each) Final 25% Total 100%

- 4. Medication/Drug Calculation Testing Students are required to pass a Medication/Drug Calculation Testing. The passing grade is 90. Students who do not pass the Medication/Drug Calculation Testing will have the opportunity to study and retake the test. Retakes of the test are limited to two. Students who do not pass Medication/Drug Calculation Testing on the third try will be unable to attend clinical and therefore will be withdrawn from the program. *If student does not take the exam on the schedule day, it is considered a 0%.
- 5. Satisfactory performance in Simulated Learning Laboratory.

 Satisfactory achievement of all applicable behaviors identified on the clinical evaluation tool.

SUCCESSFUL COMPLETION OF THE COURSE IS BASED ON A MINIMUM GRADE OF "C" IN THEORETICAL PERFORMANCE AND SATISFACTORY "S" PERFORMANCE IN CLINICAL LABORATORY.

Students with disabilities (learning or otherwise) who may require accommodation should contact the Disabilities Coordinator, at the beginning of each semester. The students must self-identify and provide documentation of their specific disability to the Disabilities Coordinator in order for accommodations to be provided by instructors. The Disabilities Coordinator will notify the instructor/course leader that the student has filed and discussed recommended accommodations. It is also the student's responsibility to discuss what the needed accommodations are with the instructor. Instructors in conjunction with appropriate College officials will provide assistance and/or accommodations only to these students who have completed this process.

- C. ATTENDANCE AND PARTICIPATION: It is expected that students will attend all scheduled learning activities. The faculty believes that clinical and classroom attendance is critical to progress in the Nursing Program.
 - A. If unable to attend simulated or clinical laboratory, the student must assume the responsibility for notifying the nursing laboratory, hospital unit or community agency to which he/she is assigned before the experience is scheduled to begin.
 - B. Faculty will review clinical and simulated lab attendance in relation to student's consistent progress in meeting weekly clinical objectives.
 - C. An assignment will be required for any clinical absence.
- D. METHODS OF INSTRUCTION: The methods of instruction are determined by course faculty and may include but are not limited to lecture, lecture/discussion, small group collaborative learning, experimental/exploration, distance learning, student presentations, or use of technologies such as audio-visual materials, computer, language laboratory, calculators.

E. OBJECTIVES, OUTCOMES and ASSESSMENT

Students' grades will be based on achievement of learning the objectives and outcomes listed below as measured by the course faculty's method of assessment:

1 Describe the effects of stressors on the individual's basic human needs.

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an	Student will			As measured by:
understanding of:				
1. The effects of stressors on		A. Psychosocial Needs	With guidance, group	Achievement of a minimum
the individual's basic human	-explain concept of self	1. Love/Self-esteem	discussion to describe	grade of C (75%).
needs.		-concept of self e.g. cultural	psychosocial needs of man	
		considerations (religion,		Achievement of satisfactory
		economic, privacy, significant	Use of Pre-Clinical Data Card	performance in the clinical
		others), developmental stages	to identify psychosocial needs	laboratory.
		(i.e. older adult); osteoarthritis	of selected hospitalized	
	-describe selected mental	-selected mental health	individuals.	
	health principles	principles i.e. relationships,		
		communication		
	-identify individual	-individual as a member of		
	health/wellness	family. Health promotion of		
		adults/elders cultural diversity.		
	-identify teaching and learning	-teaching and learning		
	principles	principles	Interview with well elderly	
	-identify community	-family within community.	individual reflected in written	
	health/wellness	general systems theory	assignment.	
		community as a system		
		community health assessment		
	-define phases of relationships	-phases of relationships		
	-compare types of	-types of communication e.g.		
	communication	verbal/non-verbal/written		
	-distinguish elements of the	-elements of the		
	communication process	communication process		
		(sender, message, feedback)		
	-identify facilitators to	-hearing aids		
	communication	-clean eye glasses		
		-quiet room environment		

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will			As measured by:
1. The effects of stressors on the individual's basic human needs.	-explain medical asepsis -explain surgical asepsis -state factors influencing asepsis -explain concept of immunity -give example of a safe environment -identify principles of drug administration -describe action of selected drugs -discuss development of sexuality throughout life -state sexual response patterns and sexual lifestyle	B. Safety Needs 1. Asepsis -medical asepsis i.e. principles, prevention and control of infection (e.g. chain of infection, concepts of immunity) -surgical asepsis i.e. principles -factors influencing asepsis i.e. hygienic patterns (beliefs/habits, cultural considerations) -concept of immunity 2. Prevention From Harm -characteristics of a safe environment i.e., room temp., noise, lighting, restraintsfactor interfering with a safe environment i.e. disaster e.g. fire, electrical hazards, hazardous materials, natural causescomponents of pharmacology i.e. methods of classification (structure, function, drug sources) pharmacodynamics (metabolism, excretion) drug interactions, common terminology -principles of drug administration i.e. methods posology, standards (five rights) -selected drug actions i.e. analgesics, (narcotic/non-narcotic) laxatives, antacids, supplements (vitamins, electrolytes) antidiarrheals C. Physiological Needs 1. Sexuality -components of sexuality -sexual role behavior i.e. societal expectations -development of sexuality throughout life-sexual lifestyle -sexual response patterns i.e. physiological/psychological	With guidance, group discussion to describe psychosocial needs of man Use of Pre-Clinical Data Card to identify psychosocial needs of selected hospitalized individuals. Interview with well elderly individual reflected in written assignment. Complete the CHA orientation packet.	Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical laboratory.

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will			As measured by:
1. The effects of stressors on the individual's basic human needs.	-explain principles of basic nutrition -state recommended daily dietary allowances -compare cultural practices	Nutrition -principles of basic nutrition i.e. nutrients; major food groups - dietary guidelines - cultural considerations i.e. eating patterns, food selection, preparation & planning, family participation, personal preferences (older adults)	With guidance, group discussion to describe physiological needs of man Use of Pre-Clinical Data Card to identify psychosocial needs of selected hospitalized individuals.	Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical laboratory.
	-contrast fluid balance -recall electrolyte balance -explain principles of infusion	3. Fluid - fluid balance i.e. fluid volume excess, fluid volume deficit - electrolyte balance, i.e. Na, K, Cl, Ca, magnesium, bicarbonate, phosphorus -principles of infusion	Interview with well elderly individual reflected NCP and Reflective Journal assignments	
	-state function of elimination -name routes of elimination -indicate daily fluid losses	4. Elimination - function of elimination - routes of elimination i.e. skin, lungs, kidney, intestines, - daily losses i.e. skin, kidney,		
	-discuss characteristics of urine	intestines, lungs, - characteristics of urine i.e. amount, color, clarity, odor, pH, specific gravity,		
	-discuss characteristics of stool -discuss daily patterns of elimination	constituents - characteristics of stool i.e. consistency, shape, odor, composition - daily patterns of elimination i.e. frequency, volume		
	-describe factors influencing elimination	- factors influencing elimination i.e. age, diet, fluid intake, exercise, muscle tone		

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will		THE THY THE	As measured by:
The effects of stressors on the individual's basic human needs.	-list activities of daily living -discuss factors influencing mobility -explain principles of body mechanics -state factors influencing rest -distinguish components of sleep -state factors affecting sleep	5. Activity -activities of daily living (ADL) i.e. mobility vs. immobility -factors influencing mobility i.e. life style, health, culture, age, physical development, tolerance -principles of body mechanics i.e. body alignment balance, coordination of body movement (base of support line of gravity, center of gravity, use of major muscle groups, balance/counter balance, leverage) 6. Rest/Sleep -factors influencing rest i.e. life style, health, culture, age, physical development -components of sleep i.e. patterns, rhythms, stages of sleep (NREM and REM sleep) -factors affecting sleep i.e., sleep apnea, insomnia	Small group discussion: -hazards of immobility -With guidance small group discussion to describe physiological needs of man. Use of Pre-Clinical Data Card to identify physiological needs of selected hospitalized individuals. With guidance small group discussion regarding: -hazards of immobility -rest/sleep patterns.	Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical laboratory.
	-explain components of oxygenation	7. Oxygen -components of oxygenation, i.e. (pulmonary volume, capacity, pulmonary ventilation pressure) -diffusion of gases (membrane thickness, surface area, pressure variables) -transportation of gases (oxygen, carbon dioxide)	With guidance small group discussion to describe factors affecting vital signs	

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will			As measured by:
1. The effects of stressors on the individual's basic human needs.	-state factors affecting oxygenation	-factors affecting oxygenation i.e. altitude, environment, emotions, exercise		Achievement of a minimum grade of C (75%).
	-outline effects of oxygenation	-effects of oxygenation i.e. body temperature (heat production/loss, normal range) -pulse (pulse points, rate, rhythm) -respiration (range, inspiration/expiration) -blood pressure		Achievement of satisfactory performance in the clinical laboratory.
	-classify types of pain	8. Pain Avoidance -types of pain e.g. acute, chronic, referred		
	-state factors influencing perception of pain	-factors influencing perception of pain e.g. (cultural considerations, developmental stage); osteoarthritis -response to pain		
	-describe response to pain	Stressors affecting Basic Human Needs of Man A. Concept of Stress -coping/adapting mechanisms		
	-give examples of coping/adapting mechanisms -define general adaptation syndrome	-general adaptation syndrome B. Selected Stressors		
	-compare age related changes	1. Aging Process -age related changes -birth/senescence -crisis points	Use of Pre-Clinical Data Card to identify effects of stressors on basic human needs	
	-list common concerns of the aged	-common concerns of the aged, i.e. psychosocial & physiological (e.g. cognitive, sexual, mobility, elimination, sleep patterns, sensory changes); osteoarthritis	With guidance small group discussion to identify individual responses to stress	

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will			As measured by:
1. The effects of stressors on the individual's basic human needs.	-describe effects of hospitalization on basic human needs of man -compare cultural practices	2. Hospitalization -effect of hospitalization on basic human needs of man, i.e. autonomy -cultural considerations - health care delivery systems	Observation of elder daycare With guidance small group discussion to identify effects of aging and/or hospitalization on basic human needs -cultural responses -cultural diversity of patient population -cultural diversity of student nurse population	Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical laboratory.

2 Apply physical and mental health principles in performing nursing activities to provide care to hospitalized individuals

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED	ASSESSMENT METHODS
			ACTIVITIES	
				As measured by:
	to:			
understanding of: 2. Applying physical and mental health principles in performing nursing activities to provide care to hospitalized individuals.	Student will utilize measures to: -foster self-esteem -foster communication	A. Psychosocial Needs 1. Loving/Self-Esteem -measures to foster self-esteem i.e. qualities of a helping person (identify respect, acceptance, worth adequacy) -role acceptance (patient, self) -techniques to foster communication, e.g. silence, active listening, restatement, clarification, reflection -consider age-related sensory deficits -cultural considerations	Use of pre-clinical data card to identify psychosocial needs for planning individualized care With guidance small group discussion to identify "Qualities of a Helping Person." -measures to foster loving/selfesteem -techniques of communication -process records Clinical laboratory experience with: -selected communication techniques -application of methods to meet psychosocial needs -communicating with individuals from diverse cultural groups -with guidance, report & record patient data -Interactive Video: "Therapeutic Communication" -role playing experiences of patient/client/nurse	As measured by: Achievement of satisfactory performance in the clinical laboratory.

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will utilize measures to:		- 1	As measured by:
2. Applying physical and mental health principles in performing nursing activities to provide care to hospitalized individuals.	-maintain principles of medical asepsis -maintain principles of surgical asepsis -promote medical asepsis -apply isolation techniques	B. Safety Needs 1. Asepsis -principles of medical asepsis -principles of surgical asepsis -measures to promote asepsis i.e. handwashing, bathing (care of mouth, skin, hair, nails, perineum) bedmaking, (occupied, unoccupied) environmental considerations i.e. dressing changes clean dressing sterile dressing moist dressing irrigation of wound packing of wound -isolation techniques	Use of Pre-Clinical Data Card to identify methods which assist hospitalized individuals to meet safety needs With guidance small group discussion t identify methods which assist individuals to meet safety needs Peer review in simulated setting of -handwashing -bathing -bed making -catheter care -care of hair, teeth, nails, back, perineum, feet, skin -dressing changes clean dressing sterile dressing moist dressing -irrigation of wound -packing of wound	Achievement of satisfactory performance in the clinical laboratory.
	-prevent bodily harm	2. Prevention from Harm -prevention of bodily harm i.e. nurse, patient, patient evacuation.	Restraints -care of the environment -practice utilization of fire safety devices.	
	-maintain safe environment -support principles of medication administration -apply principles in administration of parenteral medication	-principles related to maintenance of safe environment i.e. physical, biological -principles of medication administration i.e. oral, rectal, topical, IM, SQ, IV, G-Tube -	-role play methods to evacuate patients -films on response to fire and other disastersmedications -spiking IV bag -setting drip rates	

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will utilize measures to:			As measured by:
2. Applying physical and mental health principles in performing nursing activities to provide care to hospitalized individuals.	-support sexuality -promote optimum intake	C. Physiological Needs 1. Sexuality -measures to support sexuality i.e. titles/privacy/clothing 2. Nutrition -measures to promote optimum intake, e.g. environmental factors diet identification, menu selection	With guidance small group discussion to identify methods which assist hospitalized individuals meet physiological needs. Use of Pre-Clinical Data Card to identify methods which assist hospitalized individuals meet physiological needs.	Achievement of satisfactory performance in the clinical laboratory.
	-promote fluid balance	3. Fluid -measures to monitor fluid balance e.g. intake/output, body weight	Clinical laboratory experience with: -intake/output -diet interview -diet selection	
	-promote elimination of urine	4. Elimination - measures to promote elimination of urine e.g. positioning, privacy hygiene, monitor fluid intake		
	-promote elimination of stool	-measures to promote elimination of stool, e.g. food/ fluid intake, positioning, privacy, timing, enemas, suppositories, presence of bowel sounds.	-positioning to promote elimination -enemas	
	-collect specimens	-collection of specimens i.e. urine, stool		

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will utilize measures to:			As measured by:
2. Applying physical and mental health principles in performing nursing activities to provide care to hospitalized individuals.	-promote exercise regimes -support ambulation patterns -support principles of transfer and positioning -promote rest/sleep	5. Activity -exercise regimes i.e. range of motion (active, passive, active assistive, isometric, resistive) -ambulation patterns i.e. safety factors, frequency, progress -principles of transfer and positioning i.e. bed pan, moving on bed to/from wheelchair to/from stretcher, ambulation 6. Rest/Sleep -measures to promote rest/sleep i.e. physical (back massage) environmental considerations	Clinical laboratory experience with: -prevention of pressure areas -body mechanics -transfers -support, pillows, foot boards, cradles, side rails -positioning -use of high/low beds, mechanical lift devices -ROM (passive/active)	Achievement of satisfactory performance in the clinical laboratory.
	-monitor oxygenation -promote oxygenation	7. Oxygen -measures to monitor oxygenation i.e. inspection, palpation, auscultation (chest, lungs, heart, peripheral pulses, skin color/tone) -measures to promote	Clinical experience with: -oral, rectal, tympanic, axillary temperature -pulse (apical/radical, pedal) -respirations -breath sounds -blood pressure	
	-promote comfort	oxygenation i.e. positioning 8. Pain Avoidance -measures to promote comfort i.e. individual, environmental	-back massage	

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will utilize measures to:			As measured by:
2. Applying physical and mental health principles in performing nursing activities to provide care to hospitalized individuals. Output Description:	-meet basic human needs of individuals affected by aging -meet basic human needs of individuals affected by hospitalization	A. Aging -nursing implications when caring for the aged i.e. psychosocial, safety, physiological B. Hospitalization -nursing implications when caring for the hospitalized individual	Clinical laboratory experience in caring for hospitalized aged individuals. Use of Pre-Clinical Data Tool to describe effects of selected stressors on basic human needs Nursing rounds Pre/Post Clinical Conferences Discussions of research relevant to care of persons of diverse cultural backgrounds.	Achievement of satisfactory performance in the clinical laboratory.

3 Utilize the nursing process to assist hospitalized individuals meet basic human needs.

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:			As measured by:
3. The nursing process to ass hospitalized individuals meet basic human needs.	-collect data -cluster data -validate data -describe nursing diagnosis	I. The Nursing Process A. Assessment -data collection i.e. subjective (interview) objective (patient record, Kardex, observation physical assessment) -data clustering -validation of data (critical thinking) -nursing diagnosis – i.e. identification (NANDA nomenclature) -nursing vs. medical diagnosis	With guidance, small group discussion of: -steps in problem solving -critical thinking issues -components of the nursing process Use of components of nursing process to complete Pre-Clinical Data Card Clinical experience with: -Kardex, patient record -nursing care plan -admission procedure -nursing rounds	Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical laboratory.
	-construct patient oriented short term goals -construct nursing care plan -implement selected nursing activities -evaluate plan of care	B. Planning -patient oriented goal statements -nursing care plan C. Implementation -selected nursing activities-i.e. rationale D. Evaluation -effectiveness of plan	Weekly written evaluation of plan of care in reflective journal. Apply reflective judgment in journals following clinical experience.	

4. Function in the nursing role to meet basic human needs of hospitalize individuals.

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:			As measured by:
4. The nursing role to meet basic human needs of hospitalized individuals.		I. The Nursing Role A. Composition of the Health Team	Clinical laboratory experience as health team member	Achievement of a minimum grade of C (75%).
	-describe composition of the health team -function as a member of the nursing team	-health team members i.e. patient/client, nurse, physician, social worker, dietitian, clergy -nursing team members i.e. administrators, head nurse, team leader, registered nurse, licensed practical nurse, students (RN, LPN) Certified Nursing Assistant,	Clinical experience -observing others on health team -recording -reporting -peer review Written self evaluation -weekly	Achievement of satisfactory performance in the clinical laboratory.
	-describe the purpose of the health team	unlicensed personnel B. Role of Health Team -purpose of health team i.e. prevention, restoration, maintenance -response to disaster, i.e. institutional (disaster plan) i.e. personal (personal plan).	-course end Simulated laboratory experience in Peer Review Guest Speakers: Legal Implication, Nursing Role	
	-explain legal considerations of health team	-selected legal considerations of health team i.e. patient record, confidentiality, Patient Bill of Rights, Student Bill of Rights; HIPPA;	With guidance small group discussion to practice writing notes -S.O.A.Pnarrative	
	-document communication	-methods of documentation, i.e. source oriented medical record, problem oriented medical record, narrative notes, flow sheets, medical	-flow sheets -discuss clinical laboratory experience in post conference, reflective journalsrole playing communication	
	-evaluate nursing role on health team	terminology, reporting -evaluation of nursing role on health team i.e. self/peers	during a disasterdiscussion of Red Cross materials related to personal planslocate institutional disaster plan.	

LEARNING OBJECTIVES	LEARNING OUTCOMES	CONTENT	SUGGESTED ACTIVITIES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:			As measured by:
4. The nursing role to meet basic human needs of hospitalized individuals	-illustrate trends in nursing	C. History and Trends in Nursing -history and trends i.e., major social developments, leaders in nursing, role of the student nurse during an unexpected event.		Achievement of a minimum grade of C (75%). Achievement of satisfactory performance in the clinical
	-discuss major issues in nursing	-major issues i.e. legislation (legal responsibilities) Nurse Practice Act 1975, levels of licensure, OBRA -nursing practice (entry in practice, ethical issues -dependent/independent functions, levels of practice -nursing education (types of programs) technical vs. professional -expansion of 85+ age group in society		laboratory.
	-describe major nursing organizations	-major nursing organizations i.e. American Nurses' Assoc., National League for Nursing, National Student Nurse's Assoc. D. Process of Ethical Decision Making -values and morals	Small group discussion values clarification	
	-define ethical principles	-ethical principles O Respect for persons O Respect for autonomy O Beneficence and nonmaleficence O Justice O Veracity, confidentiality, & fidelity	Small groups viewing interactive program ethics Critical thinking exercise Case studies	
	-explain the ANA nursing code of ethics	-ANA code of ethics (accountability & responsibility)		

F. Required Text(s) and Materials:

- 1. Adams, M. *Pharmacology for Nurses, A pathophysiologic approach.*Prentice Hall, 2004.
- 2. Doenges, M., Moorhouse, M. Nursing Diagnosis Manual. F.A. Davis Co. 2005.
- 3. Grodner, Anderson, DeYoung. Foundations and Clinical Applications of Nutrition. A Nursing Approach. 3rd Ed. Mosby 2003.
- 4. Morris, D.G. Calculate with Confidence. 3rd Edition. Mosby 2002.
- 5. Nurse Pack (student orders via telephone or email)
- 6. Nursing 101 Booklet
- 7. Perry and Potter, Clinical Nursing Skills and Techniques, 6th Ed. with Nursing Skills CD-ROMs (Student Version). Mosby, 2006.
- 8. Potter, P., Perry, A. Fundamental of Nursing Text. 6th Ed. Mosby, 2004.
- 9. Springhouse, Fluid and Electrolytes Made Incredibly Easy. Springhouse, 2005.
- 10. Stedman's Medical Dictionary for the Health Professions and Nursing, 5th Ed. Lippincott, 2005.
- 11. Wilson, Nurse's Drug Guide, 2006. Prentice Hall, 2006.

Recommended

- Doenges, M., Moorhouse, M. Nurse's Pocket Guide/Diagnoses, Interventions, and Rationales. 9th Ed. F.A. Davis Co. 2004.
- Nugent, P., Fundamentals success, A course review applying critical thinking to test taking. F. A. Davis, 2004.
- Potter, P; .Perry, A. Study Guide for Fundamentals of Nursing, 6th Ed.
- > **Springhouse**, *Dosage Calculations Made Incredibly Easy, 2nd Ed.* Springhouse, 2005.

