MISSISSIPPI COLLEGE SCHOOL OF NURSING NUR 343

Course Title: NUR 343 - Pharmacology

Course Credit: 3 hours

Course Placement: Semester I

Prerequisites: Admission to the nursing program

Catalog description: Focuses on the introduction of basic pharmacology concepts necessary for safe administration of medications.

Course Rationale: This junior level course provides students the opportunity to integrate knowledge from the liberal arts and sciences with pharmacological concepts. The course provides the foundation for safe assessment, administration and monitoring of medications in the provision of nursing care to the client.

Course Faculty: Elizabeth Tinnon, PhD, RN, Coordinator

Course Objectives:

- 1. At the completion of this course the student will be expected to provide patient/clinical care, as it relates to medication administration.
- 2. Utilize the nursing process as the basis for decision-making for the administration of drug therapy to clients.
- 3. Describe the use of selected drug therapy in obtaining, maintaining, and regaining health.
- 4. Employ knowledge from natural and behavioral science to describe how various drugs alter or enhance physiological and psychological responses in clients.
- 5. Utilize knowledge from pharmacology and nursing to build a theory base for client teaching about drug therapy.
- 6. Relate knowledge of pharmacology to nursing as the basis for safe administration, teaching, and monitoring the effects of drug therapy.
- 7. Describe the legal and ethical standards that affect the role of the nurse in drug therapy.
- 8. Classify individual drugs in relation to the drugs classification system
- 9. Identify behavioral and cultural aspects that may affect the used of pharmacological agents.
- 10. Discuss appropriate nursing actions in selected situations involving pharmacological therapy.

Course content:

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Π.	Pharmacology and the Professional Nurse	7,8
	A. Introduction to pharmacology	
	B. Drug Preparations	
	C. Legal and Ethical considerations	

D. Relation of nursing process to medication administration
III. Physiological responses to drug therapy
9,10
A. Pharmacodynamics
B. Pharmacotherapeutics
C. Drug interactions and reactions
IV. Nursing management of clients receiving drugs that affect protective function
A. Anti-infective drugs
11
B. Analgesic-Antipyretic, and NSAIDS
12
V. Nursing management of clients on selected hormonal therapy
13 A. Corticosteriods
B. Insulin
C. Oral hypoglycemics VI. Nursing management of clients receiving drugs for alteration in comfort
VI. Nursing management of clients receiving drugs for alteration in comfort
14
A. Narcotic analgesics
B. Non-narcotic analgesic
C. Opioid antagonist
D. Muscle relaxants
E. Antispasmodics
VII. Nursing management of clients receiving drugs that affect sensory/perceptual
functioning
15,16
A. Autonomic Drugs
17
B. CNS stimulants
18
C. CNS depressants
19
1. Hypnotics-Sedatives
2. Anticonvulsants
3. Anesthetic agents
D. Psychoactive Drugs.
20
1. Antipsychotic
2. Antianxiety
3. Antidepressant
4. Antimanic
VIII.Nursing management of clients receiving drugs for altered tissue perfusion
21,22
A. Drugs affecting Cardiac Circulation
1. Cardiotonic drugs
2. Antiarrhythmic (Dysrrhythmic)
3. Antianginal (Nitrates)
3. Andangmai (Muaces)

B. Drugs affecting Peripheral Circulation.
23
1. Antihypertensive (vasodilators)
2. Vasoconstrictors
C. Antilipemics
D. Drugs affecting Coagulation
1. Coagulants
2. Anticoagulan
3. Thrombolytic agents
IX. Nursing management of clients receiving drugs that affect oxygenation
A. Bronchodilator
B. Antiinflammatory
C. Mast Cell stabilizer
D. Decongestants
E. Antihistamine
F. Expectorants
G. Mycolytics
H. Antitussive
I. Antitubercular drugs
X. Nursing management of clients receiving drugs that affect nutrition, digestion
A. Antacids
B. Histamine receptor antagonists
C. Antiulcer
D. Antiemetic
E. Emetic
F. Pancreatic enzymes
XI. Nursing management of clients receiving drugs that affect bowel elimination
26,27
A. Antiflatulant
B. Laxative
C. Antidiarrheal
XII. Nursing management of clients receiving drugs that affect urinary elimination
28
A. Loop diuretics
B. Thiazides
C. Potassium-sparing
D. Carbonic anhydrase
E. Osmotic diuretics
Teaching strategies:
Lecture/Discussion
Written Assignments
Self-Directed Activities
Evaluation

Evaluation:

- 1 4 Unit Tests 88%
- 2. Make up exams are at the discretion of the instructors and the format may include any of the

following: fill in the blank, essay, verbal exam etc.

- 3. Daily Grades: quizzes, study guides 12%
- 5. Daily grades cannot be made up
- 6. Refer to Student Handbook, for policies pertaining to progression

Required Texts:

Abrams, A. C. (2009) Clinical Drug Therapy, (9th Ed.) Philadelphia: Lippincott Aschenbrenner, D., & Venable, S. (2009) Study Guide to Accompany Drug Therapy in Nursing (3rd ed.)

Grading Scale

The grading scale used by the School of Nursing is as follows:

A - 93-100

B - 85-92

C - 77-84

D - 70-76

F - 69 and below

For purposes of progression in the School of Nursing, grades of D and F represent unacceptable work. Students must have a 77% or higher average in order to successfully complete a course.

Late Work

1. Papers are considered late if not submitted by the specified due date and <u>time</u>. Any difficulty in meeting a due date should be discussed with the instructor prior to the due date.

Late penalties will be calculated at 5 points per day, with the exception of Saturday and Sunday counting as one day.

2. Papers must follow the acceptable style (grammar, spelling), or the paper may be returned to be corrected before grading occurs. No late penalty will be imposed unless the revised deadline for the paper is missed. All written work, once turned in to faculty, becomes property of the School of Nursing.

Grievance Procedure

All grievance pertaining to the academic performance of a nursing student should be discussed by the Student should be discussed by the student and faculty member involved. If a problem cannot be resolved between the student and faculty member, the issue is then referred to the course coordinator. For further and more complete information regarding the grievance process please refer to Student Affairs Policy 4.01 in the Mississippi College School of Nursing Student Handbook.

Support Services

Mississippi College School of Nursing faculty provide basic support services such as test review, tutoring, and academic advising. These are available to the student upon request to the appropriate semester faculty. In addition to the support services provided Mississippi College provides support services such as the writing center, testing and counseling, career services and health services. Please

refer to the Mississippi College web page for more detailed information

Important Dates

Please refer to your course calendar for important course and college dates.

Academic Honesty:

Mississippi College students are expected to be scrupulously honest. Dishonesty, such as cheating or plagiarism, or furnishing false information, including forgery, alteration or misuse of University documents, records or identification, will be regarded as a serious offense subject to severe penalty, including, but not limited to, loss of credit and possible dismissal. See the Mississippi College Student Handbook or University Policy 2.19 for specific information regarding penalties associated with dishonest behavior at Mississippi College. Copies of the Mississippi College Student Handbook are available on line under Campus Life; Student publications. Copies of university policies are available on the Mississippi College web site. (Source: Mississippi College Undergraduate Catalog)

Plagiarism

The School of Nursing adheres to the Mississippi College policy concerning plagiarism which appears in the *Mississippi College General Bulletin* and the *Mississippi College Student Handbook*. It is as stated here:

No student shall submit as his own work any term paper, research paper, thesis or other academic assignment of original work that in any substantial part is not in fact his own work. (This is not intended to prohibit clerical or stenographic assistance such as typing of manuscripts, nor is it to hinder the normal use of reference or other material, provided that the source is acknowledged and documented.) Violation of this regulation shall result in a grade of "0" on the paper or project; repeated violation shall be cause for severe disciplinary action; aiding or abetting plagiarism of the sort described above shall also be cause for disciplinary action (refer. In the absence of clear evidence of a violation, but when there are grounds for reasonable doubt that any item of work is the student's own, the work (paper, thesis, etc.) shall be rejected and the student shall be given another opportunity to do the work with proper safeguards for the assurance of honesty.

Failure to adhere to this policy may result in dismissal.

Disabilities Act of 1990

In accordance with Section 504 of the Rehabilitation Act of 1973, Mississippi College does not discriminate on the basis of handicap in admission or access to, or treatment or employment in, its programs and activities.

Disabilities: ADA Statement and Student Counseling Services Protocol (Sp 2010)

In order for a student to receive disability accommodations under Section 504 of the Americans with Disabilities Act, he or she must schedule an individual meeting with the Director of Student Counseling Services **immediately upon recognition of their disability** (if their disability is

known they must come in before the semester begins or make an appointment **immediately** upon receipt of their syllabi for the new semester). The student must bring with them written documentation from a medical physician and/or licensed clinician that verifies their disability. If the student has received prior accommodations, they must bring written documentation of those accommodations (example Individualized Education Plan from the school system). Documentation must be current (**within 3 years**). The student must meet with SCS **face-to face** and also attend two (2) additional follow up meetings (one mid semester before or after midterm examinations and the last one at the end of the semester). Please note that the student may also schedule additional meetings as needed for support through SCS as they work with their professor throughout the semester. Note: Students must come in **each semester** to complete their Individualized Accommodation Plan (example: MC student completes fall semester IAP plan and even if student is a continuing student for the spring semester they must come in again to complete their spring semester IAP plan).

Student Counseling Services is located in Alumni Hall Room #4 or they may be contacted via email at christia@mc.edu or rward@mc.edu. You may also reach them by phone at 601-925-7790.

Absences

Grade

According to Academic Affairs Policy 2.10 there is an expectation that students attend class if they fail to do so it can result in an "F" for the course. In the School of Nursing if a student misses 25% or more of a particular course that student will receive an "F".

If a student misses more than the number of class periods specified in university policy and believes that there are reasonable explanations for the absences, he/she may appeal the absences to the Dean of the School in which the course is being taught. Students may obtain a Student Absence Appeal Form from the Dean's Office.

Adopted by faculty 5/96 Revised 6/97, 12/97, 6/98, 5/99,5/03, 6/06, 9/07, 7/10, 6/11

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