NUR 115
Introduction to Nursing Pharmacology

Syllabus
Spring 2017

Office hours are posted on the faculty websites.

I. **Credit**: 1.5 semester hours

II. **Corequisite**: NUR 101 or permission of the department head.

III. **Time Allotment Weekly**: 1.5 hours per week

IV. **Course Description**: This course focuses on accurate calculation of drug dosages for medication administration via various routes with an overview of the basics of nursing pharmacology. Emphasis is placed on an introduction to the principles of pharmacology, safe administration of medications, the more commonly administered drugs and their classifications and the effects of pharmacological agents on individuals throughout the life span. Safe drug calculations of various types of medications and related nursing interventions, client education, monitoring and evaluating patient responses, including clinical judgment and inquiry are identified and discussed. Hours: 19.5 lecture.

Prerequisite: admission to the CPN program or permission of the department head. Usually offered in the fall and spring.

V. **Course Objectives**:

At the completion of this course, the student will be able to:

1. Utilize the nursing process to provide safe pharmaceutical nursing care to groups of clients, their families and/or significant others. (GEO: 4, 3, 4, 6, 8)

2. Compare and contrast the action, effects, utilization and challenges of medication therapy (GEO: 1, 3, 4, 7)

3. Demonstrate accuracy in calculating various medications via all routes (GEO: 4, 6, 7)

4. Explain major sites of and factors that influence absorption, distribution, metabolism, and extraction of pharmacological agents (GEO 1, 2, 3, 4, 7)

5. Illustrate the teaching/learning needs for patients and their caregivers related to their prescribed drug regime. (GEO: 1, 2, 3, 4, 8)

6. Identify the approval and research process of the Food and Drug Administration (FDA). (GEO 1, 4, 7)

7. Apply legal and ethical framework of medication administration to nursing practice. (GEO: 3, 4, 9)
VI. **Method of Evaluation**

A. Final course grade is composed of:
   - 2 Exams - 20% each (40%)
   - Final Exam - 30%
   - Worksheets 10%
   - Research assignments- 10% each set of ten = 20%

B. Satisfactory completion of this course also includes:
   - Attainment of course objectives
   - Satisfactory completion of the research assignment

C. **Grading Scale**
   - 100-90 = A = Excellent – intellectual initiative as well as high academic achievement
   - 89-80 = B = Good – above average completion of course objectives
   - 79-75 = C = Average – satisfactory understanding of course principles/techniques
   - 74-65 = D = Poor – marginal understanding of course principles and techniques
   - 64 or less = F = Unacceptable- course requirements and standards were not met

   **There will be no rounding up of final grade:**
   **Example:** 74.9 average is not considered a 75.

D. Worksheets for each class are due at the beginning of the next class. Each worksheet is worth 10 points. Remediation for worksheets must be completed within 2 weeks to obtain return credit. See rubric page 12.

E. The research assignments are due on the dates indicated by the instructor/calendar. **Five (5) points will be deducted from the late assignment per day for each research assignment.** All written work must be typed. All written assignments requiring references must be completed utilizing APA, 6th Edition guidelines. An APA guidelines brochure, ‘Citing Source: APA Style (American Psychological Association)’ may be found in the resource center, AHB 108.

F. An unsatisfactory written research assignment may be redone only once. The maximum grade is 75% for resubmitted work.

G. Only one scheduled exam can be made up. Any subsequent exam not taken on the originally scheduled date and time will result in a zero for that exam. Make up exams must be scheduled with the instructor. Make up exams will be a different version of the exam and taken in the testing center. If a scheduled make up exam is missed a zero will be recorded for that exam.

H. **Missed Work Due To Absence**
   The student is responsible for any work missed due to absence. Worksheets will receive a 1 point deduction for each day beyond assigned due date.
VII. Research Assignment

**ONLY** the “Drug Sheet” from page 6 will be used for this assignment. Choose one drug from each of the 20 categories listed on “Commonly Prescribed Drugs” to research.

Fill out the “Action,” “Adverse reactions,” “Contraindications,” “Lab values,” and “Nursing implications” sections by summarizing the information you find. You are limited to 100 to 200 words total for all five sections. The “Class, subclass, generic name, and trade name” need to be filled out but will not count toward word count. This information will be followed by a reference in APA format.

Class:                                
Subclass:                              
Generic name:                          
Trade name:                            
Therapeutic Dose range:                
Action:                                

Adverse reactions:                    

Contraindications:                    

Lab values:                           

Nursing implications:                 

Reference: APA Format

The assignment will be divided in half with each set of 10 drug sheets due as directed by instructor and course calendar and accompanied by the “Checklists for Drug Sheets” found on page 10.

VIII. Teaching/Learning Methods

Bibliographic readings  Lectures
Group Activities   Electronic Library Assignments
Group Discussion   Videotapes
Various Simulations  Short answer essay

IX. Academic Honesty Policy

Academic honesty is expected of all students. Cheating and plagiarism are violations of academic honesty. If academic dishonesty is suspected, a student may receive a zero on a test or paper. Discussion with the student will occur before penalties are implemented. Purposeful dishonesty may be reported to the Student Faculty Disciplinary Committee (see College catalog). Students may appeal any penalty through the Student Faculty Disciplinary Committee (see College catalog). Cheating occurs when one uses deceitful or dishonest means to obtain information, e.g. crib notes, copying from another’s test paper, etc. Plagiarism is copying or imitating the language and ideas of another, without footnoting, and presenting them as one’s work, e.g. copied papers, abstracts, sections of books, etc. Students will be required to adhere to the following statement on all tests and exams. “I certify that I did not give or receive any information concerning this or previous tests before or during this test. I will not disclose or discuss the contents of the test with anyone outside of the classroom now or in the future. I understand that the penalty for violating this agreement is referral to the Student Faculty Disciplinary Committee and/or dismissal from the nursing program.”
IX. **Blackboard and Academic Integrity Statement**

Blackboard is being used as a supplementary site in this course. To access course content in Blackboard, you need to have access to a computer with an Internet connection, (other requirements may apply). Computers that meet these requirements are available on campus in MTC 200, AAB 217, HH 100, GH 204, WDC 305, and AHB 108.

Please follow these directions to access course syllabi and any other materials posted for this course:

**Login Information**

1. From Wor-Wic home page, point to “Quick Links: (top-right) and click “Blackboard Login” link.
2. Enter your Wor-Wic user ID and password (same as your Wor-Wic email user ID and password).
3. Don’t know your user ID or password? Contact Student Services.

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Blackboard is a method to communicate your grades earned on graded assignments. This is not reflective of progress regarding ungraded computer and written assignments that are required to pass the course. IT DOES NOT REFLECT YOUR FINAL COURSE GRADE.”

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X. **Academic Integrity and Computer Usage Policy**

All students logging into Blackboard affirm that they understand and agree to follow Wor-Wic Community College policies regarding academic integrity and the use of College resources as described in the college catalog. Wor-Wic Community College considers the following as violations of the computer usage policy:

- Using the campus computing network and facilities to violate the privacy of other individuals.
- Sharing of account passwords with friends, family members or any unauthorized individuals

Violators are subject to college disciplinary procedures.

XI. **Required Textbooks**


**Recommended Textbooks- These textbooks are additional resources to assist students in the course, but are NOT mandatory to purchase:**

XII. **Exam Review**

Exams are available in the instructor’s office to review for two weeks following grade distribution, in accordance with the instructor’s office hours.

XIII. **Attendance Policy**

A. Students are requested to notify the nursing department when they will be tardy or absent from class.

B. Please refer to the Nursing Student Policy Handbook regarding the attendance policies.

XIV. **Emergency Information Statement:**

In the event of severe inclement weather or other emergency, information about the closing of the college will be communicated via e2Campus and the College's website. Faculty will communicate with students about their courses and course requirements, such as assignments, quiz and exam dates, and class and grading policies, via Blackboard. Students will be responsible for completing all assignments in accordance with class policies.

XV. Please turn off all cell phones and pagers during class. These devices are disruptive in the class. See current college catalogue related to student conduct.

XVI. There is NO recording (paper or electronic) of test/quiz reviews prior to or after exams. There is no video recording of lectures audio recording of lectures may be allowed with the permission of the instructor.

XVII. **SEXUAL VIOLENCE DISCLOSURES**

Wor-Wic Community College seeks a campus free of sexual violence which includes sexual harassment, domestic violence, dating violence, stalking and/or any form of sex or gender discrimination. Please be aware that if a student discloses a personal experience, verbally or in writing as a Wor-Wic student to a faculty or staff member, the employee cannot maintain confidentiality and has the mandatory responsibility to notify one of the college’s Title IX coordinators. However, if you would like to make a confidential disclosure of any such violence, you can contact Wor-Wic’s director of counseling (X-2900), or you can contact the Life Crisis Center at 410-749-HELP or 2-1-1.

Information on rights of victims of sexual violence and related resources is available in the college catalog and on the public safety page of Wor-Wic’s website:

http://www/worwic.edu/Administration/PublicSafety.aspx.

Revised January 2017
DRUG SHEET

Class:
Subclass:  
Generic name:  
Trade name:  

Therapeutic Dose Range:

Actions:

Adverse reactions:

Contraindications:

Lab values:

Nursing implications:

Reference:
Commonly Prescribed Drugs
Choose one drug from each of the 20 categories. Fill out the drug sheet from page 6 for each drug.
Limited to (100-200 words)

1. **ACE Inhibitors**
captopril
enalapril
lisinopril

2. **Angiotensin II Receptor Blockers**
losartan
valsartan

3. **Beta-Blockers**
carvedilol
labetalol
metoprolol
propranolol

4. **Calcium Channel Blockers**
amiodipine
diltiazem
nifedipine
verapamil

5. **Cholesterol Lowering Drugs**
atorvastatin
cholesterolamine
fenofibrate
gemfibrozil
lovastatin
pravastatin
simvastatin

6. **SSRIs**
fluoxetine
paroxetine
sertraline

7. **Other Antidepressants**
amitriptyline
bupropione
trazodone

8. **DIABETES**
acarbose
metformin
repaglinide
**Sulfonylureas**
glimepiride
glipizide
Commonly Prescribed Drugs
Choose one drug from each of the 20 categories. Fill out the drug sheet from page 6 for each drug. Limited to (100-200 words)

9. **H2 Receptor Antagonists**
cimetidine
famotidine
ranitidine

10. **Proton Pump Inhibitors**
lansoprazole
omeprazole
pantoprazole

**ANTI-INFECTIVE AGENTS**

11. **Antibacterials**
amoxicillin
ampicillin
azithromycin
ciprofloxacin
doxycycline
erthyromycin
levofloxacin
penicillin VK
tetracycline
tmp-smz DS

12. **Antiviral**
acyclovir
valacyclovir
zidovudine
ritonavir

13. **Anti-inflammatory Agents**
ibuprofen
indomethacin
naproxen
prednisone

14. **Allergy Drugs**
fexofenadine
fluticasone
benadryl

15. **Asthma Drugs**
montelukast
Albuterol sulfate
ipratropium

16. **Benign Prostatic Hypertrophy**
doxazosin
tamsulosin
terazosin
Commonly Prescribed Drugs
Choose one drug from each of the 20 categories. Fill out the drug sheet from page 6 for each drug. Limited to (100-200 words)

17. Urinary Incontinence
oxybutynin
tolterodine
finasteride

18. Anti-hypertensive
furosemide
hydrochlorothiazide
spironolactone

19. Analgesic
aspirin
acetaminophen
morphine
oxycodone
methadone

20. anxiolytics
lorazepam
diazepam
oxazepam
<table>
<thead>
<tr>
<th>Category</th>
<th>Drug completed 1\textsuperscript{st} set</th>
<th>Drug completed 2\textsuperscript{nd} set</th>
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<tbody>
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<tr>
<td>Angiotensin II Receptor Blockers</td>
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<tr>
<td>Beta-Blockers</td>
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<td>Calcium Channel Blockers</td>
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<td>Cholesterol Lowering Drugs</td>
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<td>SSRIs</td>
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<td>Other antidepressants</td>
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<td>Oral Anitdiabetics</td>
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<td>H\textsubscript{2} Antagonists</td>
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<td>Proton Pump Inhibitors</td>
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<td>Antivirals</td>
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<td>Lacking in number of required drug sheets</td>
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<td>No reference, Information not legible or understandable</td>
<td>APA has minimal errors. Information legible.</td>
</tr>
<tr>
<td>Adverse reactions</td>
<td>Adverse reactions listed without regard for priority.</td>
<td>Missing important adverse reactions.</td>
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<tr>
<td>Contraindications</td>
<td>Contraindications and cautions are listed without regard to conditions.</td>
<td>Some important contraindications and cautions are missing.</td>
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<td>Import lab values for administration and evaluation missing.</td>
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<tr>
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<td>3 return credit</td>
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