INTRODUCTION TO PHARMACOTHERAPEUTICS

COURSE SYLLABUS

NUR 1141
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GENERAL CLASS & COURSE INFORMATION

Course number: NUR 1141   Class Reference Number: Multiple   Term: 2014-1

Course title: Introduction to Pharmacotherapeutics   Credit/Contact hours: 2 Credits

Course Description:
This course introduces the beginning level nursing student to the concepts of pharmacotherapeutics. At the completion of this course the student will have an understanding of the major drug classifications as they relate to the nursing process and the five concepts of human functioning. Lake Worth campus; Belle Glade campus and Distance Learning.

Course Learning Outcomes: As a result of taking this course, the student will be able to:

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<tbody>
<tr>
<td>1</td>
<td>Explain significant historical events contributing to the development of pharmacology.</td>
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<tr>
<td>2</td>
<td>Identify the roles of the professional nurse in relation to medication administration, in both acute care and community health settings.</td>
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<td>3</td>
<td>Utilize critical thinking skills to determine effects on the body during all phases of drug activity (pharmacokinetics, and pharmacodynamics).</td>
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<td>4</td>
<td>Predict the potential for drug-drug interactions and drug-food interactions, including over-the-counter (OTC) and complementary/alternative agents (CAMs).</td>
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<td>5</td>
<td>Identify special considerations for dosage related side effects when discussing “at risk” populations such as the fetus, infants, children, pregnant women, and the frail elderly.</td>
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<td>6</td>
<td>Develop a knowledge base that includes the use of the nursing process as problem solving steps in medication administration.</td>
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<td>7</td>
<td>Identify the correct measures to ensure the prevention of medication errors.</td>
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<td>8</td>
<td>Define the ethical and legal aspects of medication administration.</td>
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<td>9</td>
<td>Describe the usage of drugs when administering medication to culturally diverse populations.</td>
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<td>10</td>
<td>Differentiate between tolerance, resistance, withdrawal, side effects, adverse reaction, agonistic, antagonistic, cumulative, blocker, and stimulant effects in relation to drug administration.</td>
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<td>11</td>
<td>Identify major classifications of pharmacotherapeutic agents.</td>
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<td>12</td>
<td>Utilize effective communication skills to teach clients essential knowledge of the effects of medication administration on their health and well-being.</td>
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Course Outline for NUR1141 - INTRO PHARMACOTHERAPEUTICS
Textbooks information:

Textbooks are “bundled together” as ISBN: 10-0-133-51802-7 and are available in this bundle at the Palm Beach State College book store.


3. My Nursing Lab with Pearson’s e-text for Adams 4E, 6 months access

4. Palm Beach State College Syllabus for NUR 1141 is posted online.

You may purchase your textbook(s) at any one of Palm Beach State College’s campus bookstores or online.

The Electronic Nursing Resources (ENR) Video list is recommended & available in MTIS (Media Technology and Instructional Services) located on the first floor of the LLRC.

Web Content Information: This course has an Internet Component which is on the E-learning Website To pass the course, you must be able to access this web site.

It is the student's responsibility to have accessed this site no later than the semester start date. The web site has a security system which requires a Sign on and a Password. Only registered students will be able to access the course. On-line students are not permitted to attend “live lecture classes”.

To login to the course web site:
User Name: Use your Pantherweb sign on and Password. If you have difficulty logging on, please contact the Student Helpdesk at 561-868-4100.

What do I do if I forget my password or need assistance with Blackboard?
E-mail the Blackboard administrator. You can also email the Palm Beach State College Student Help Desk or contact them by phone at (561)868-4000. Be sure you have the following information available:
- your full name
- your Palm Beach State College Student ID number
- course with the reference number
- details of the assistance needed and any error messages

The Student Help Desk Hours of Operation are posted on the web page:

On hours and days that the Help Desk is closed, the student may leave a voice message or an e-mail to the Help Desk personnel and the issue they are experiencing will be addressed the next business day.

"Netiquette Rule" requirements
Refer to the web site for network application. The faculty expectation is for student adherence to the same standards of behavior online that you follow in real life.
PROFESSOR’S CONTACT INFORMATION

Deborah Marshall, EdD, MSN, RN  
Professor III  
AH 107 (561) 868-3440  
Lake Worth Campus  
e-mail

Shernett Demarco, MSN, RN  
Associate Professor I  
CRB 220 (561) 993-1195  
Belle Glade Campus  
e-mail

Tina Collins, MSN, RN  
Associate Professor  
AH 215 (561) 868-3448  
Lake Worth Campus  
e-mail

Faculty Office Hours are Posted on Faculty Web Pages and Outside Office

CLASS REQUIREMENTS

Assignments: NUR 1141 will have six exams and a cumulative final exam during a 16 week course. There are 5 exams and a cumulative final exam scheduled during a 12 week course. There is one major paper as assigned and class participation is also included in the grading scale for this course. See grading scale that follows for details. All students are encouraged to participate fully in classroom and Discussion Board activities. Attendance is monitored. All readings, classroom discussions, AV material, and guest speakers are testable material.

Late Assignment Policy: All late assignments will lose 5% for each day beyond the scheduled due date unless prior arrangements have been approved by the instructor.

Nursing Department Grading Scale and Policy

90 - 100  = A  
83 - 89  = B  
75 - 82  = C  
Below 75  = F

The minimum score to pass the course is 75%.

All students must achieve an average grade of 75% on all tests before grades for assignments, paper, and class participation will be added for a final grade. An end of course grade of 75% is required to pass this course. All testing for this course is to be done on campus in the assigned

Tests, Quizzes and Final Examination: Your course grade will be determined by the following:

16 Week Course

12 Week Course
Course Syllabus – Classroom Courses

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<tbody>
<tr>
<td>Test 1</td>
<td>10%</td>
<td>Test 1</td>
<td>12%</td>
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<td>Test 2</td>
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<tr>
<td>Test 3</td>
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<td>Test 4</td>
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<td>Test 5</td>
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<td>Test 5</td>
<td>12%</td>
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<td>Test 6</td>
<td>10%</td>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Paper/Journal Article</td>
<td>5%</td>
<td>Paper/Journal Article</td>
<td>5%</td>
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<tr>
<td>Class participation</td>
<td>10%</td>
<td>Class participation</td>
<td>10%</td>
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<tr>
<td>Assignments/Discussions</td>
<td>5%</td>
<td>Assignments/Discussions</td>
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Make-up Exam Policy:
Please see Nursing Student Handbook for standard Nursing policy related to Essay Make-up Exams.

CLASS POLICIES AND METHODOLOGY

Attendance: Professors are required to take attendance. Students who are actively involved in their learning are more successful. Students are expected to complete all class work and homework and participate in structured class discussions.

ALL students are expected to attend all classes. In the event of an absence due to extenuating circumstances, the student is expected to notify the appropriate faculty member.

Electronic Device Use: Laptops and Hand-held devices are allowed in class for class room related purposes, only. The use of Hand-held devices that are iPod capable are encouraged to facilitate downloadable information as learning strategies and study tools. Cell phones must be turned off in class and are prohibited in the campus and Nursing Testing Centers.

Email Policy: All students have access to a college email account. It is the responsibility of the student to activate this account in order to be kept current with college, program and course information. This course has a web component that has mail within the course. Course mail should be used for all course-related communications with faculty. College email should be checked at least twice weekly.

Faculty will contact students via college and course email, so be certain to check these email accounts twice weekly for any updates or changes to coursework.

Equipment & Supplies: Required text books; access to a computer with active Internet service; word processing and printing capabilities are essential to be successful in this class.

Professor’s Expectations: The student will participate in discussions; will observe “Netiquette”; will read the assigned chapters; will make an appointment with the faculty member at the first indication of a test grade below 75%, for faculty mentoring and remediation plans.
Course Syllabus – Classroom Courses

Methods of Instruction:

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<th>Methods</th>
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<tbody>
<tr>
<td>1</td>
<td>Selected reading</td>
<td>8</td>
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<td>2</td>
<td>Lectures</td>
<td>9</td>
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<tr>
<td>3</td>
<td>Demonstrations</td>
<td>10</td>
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<td>4</td>
<td>Discussions</td>
<td>11</td>
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<tr>
<td>5</td>
<td>Audiovisuals</td>
<td>12</td>
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<tr>
<td>6</td>
<td>Interactive video software programs</td>
<td>13</td>
</tr>
<tr>
<td>7</td>
<td>Computer-Assisted Instruction</td>
<td>14</td>
</tr>
</tbody>
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Classroom Strategies

A. Class Discussion
B. Media Presentations: Video, and PowerPoint
C. Group Presentations/Case Scenarios
D. Critical Thinking Exercises

Evaluation Methods

A. Group/Individual Activities
B. Critical Thinking Assignments
C. Class Attendance/Participation
D. Periodic Exams, Final Examination
E. Critique of a Journal Article/Paper

Unique Requirements of the Class: This course has an Internet Component which is on the E-learning website.

To pass the course, you must be able to access this website.

Although Nursing is a limited access program and as such maintains policies and procedures specific to Nursing Department needs, all students enrolled in a nursing course will adhere to the Palm Beach State College policies as stated in the Palm Beach State College Student Handbook.

All students enrolled in a Nursing course must maintain compliance with the policies and procedures published in the Nursing Student Handbook in addition to those established for the general college population by Palm Beach State College.

Please refer to the following documents:
- Palm Beach State College Student Handbook
- Palm Beach State College Nursing Student Handbook
- PantherWeb Student Information:

Specific Testing Requirements:

All tests/exams (including online students) will be administered on campus in AH208, at the Lake Worth campus on the date and at the time scheduled. Please see the Nursing Student Handbook for the Make-up policy for exams. No additional resources are allowed to be used during tests, including notes, technology, other people, or any other means by which a student can gain an unfair or unearned advantage. This will result in a test failure. This list is not all inclusive.
SLC Computer Lab:
If students do not have access to a computer at home, the SLC Computer Lab at a Palm Beach College campus can be used to complete course assignments. Visit the SLC Lab website for locations and hours.

COLLEGE POLICIES AND WEB INFORMATION

Academic Dishonesty
Academic dishonesty includes the following actions, as well as other similar conduct aimed at making false representation with respect to the student's academic performance:

(1) Cheating on an exam, (2) Collaborating with others on work to be presented, if contrary to the stated rules of the course, (3) Submitting, if contrary to the rules of the course, work previously submitted in another course, (4) Knowingly and intentionally assisting another student in any of the above actions, including assistance in an arrangement whereby work, classroom performance, examination, or other activity is submitted or performed by a person other that the student under whose name the work is submitted or performed, (5) Plagiarism. This list is not all inclusive.

Please refer to the Palm Beach State College Student Handbook for further information.

Classroom Etiquette and Student Behavior Guidelines
Students will demonstrate respect for professors and fellow students. Behavior that is disruptive to a positive learning environment reported by the professor will result in a warning on the first instance; the second instance might result in expulsion from the course or campus.

Computer Competency Component
Each student will, to the satisfaction of the professor, demonstrate a fundamental understanding of basic computer operations through various professor-determined exercises and/or assignments.

Disability Support Services
Students with disabilities are advised, in compliance with federal and state laws, that accommodations and services are available through the office of Disability Support Services (DSS). It is the student’s responsibility to contact Disabled Student Services Advisors and to submit appropriate documentation prior to receiving services.

Eating, Drinking and Smoking
Eating and drinking are confined to areas designated on the campus. Smoking is not permitted in any College building and only in areas designated at each campus.

Student Responsibility Policy
When a student attends the College, s/he becomes subject to its jurisdiction. Students are expected to conduct themselves in a responsible manner, in all areas of campus life. By enrolling, they pledge to obey the rules and regulations of the College and are responsible for observing all College policies and procedures as published in the student handbook, the College catalog and other College publications. The student will be responsible for preparing for class, participating in class, and completing assignments on time.

Palm Beach State College Websites Of Interest
Withdrawal Policy for Individual Courses: The last day to withdraw from a College course with a "W" grade in this course is posted on the college academic calendar. It is the responsibility of the student to use the PantherWeb system or visit a campus Registrar’s office to withdraw. An official withdrawal entitles the student to a grade of "W" in the class.

DEPARTMENT CONTACT INFORMATION

Kellie Bassell, EdD, EdS, RN
Nursing Program Director
AH 110 (561) 868-3412
Fax (561) 868-3452
e-mail

Disclaimer
Changes may be made to the syllabus at any time during the term by announcement of the professor. It is the responsibility of the student to make any adjustments as announced.
NUR1141 JOURNAL ARTICLE CRITIQUE

GRADING RUBRIC

<table>
<thead>
<tr>
<th>Graded Element</th>
<th>Possible Points</th>
<th>Actual Points Earned</th>
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<tbody>
<tr>
<td>1. Printed copy of article attached to critique</td>
<td>5 points</td>
<td></td>
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<tr>
<td>2. APA format + 3 Refs</td>
<td>10 points</td>
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<tr>
<td>3. Opening Summary Paragraph</td>
<td>10 points</td>
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<tr>
<td>4. Analysis of article</td>
<td>40 points</td>
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<tr>
<td>5. Impact on Nursing Statement Conclusion</td>
<td>25 points</td>
<td></td>
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<tr>
<td>6. Appropriate spelling &amp; grammar</td>
<td>10 points</td>
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<tr>
<td>Total Score</td>
<td>100 points</td>
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Note: Paper must be submitted by due date to be graded. Late papers will not be accepted unless prior arrangements have been made with instructor. If accepted, a late paper will lose 5 points for every day it is late. This paper is mandatory and must be submitted in order to receive a grade for this course.

Please note the following directions:

This paper must be written on an assigned article from the list provided, not chosen randomly. Papers should not exceed 2 pages, plus the Title page and Reference page. Title page must include the student’s name; course and number; the day and time of class; and the title of the article read. Reference page must cite 3 professional nursing resources. Submit a copy of this rubric for grading and comments.
# INTRODUCTION TO PHARMACOTHERAPEUTICS

<table>
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<tr>
<th>OBJECTIVES</th>
<th>CONTENT</th>
<th>RELATED LEARNING ACTIVITIES</th>
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| The student will: 1. Develop a Drug Profile for each Prototype as assigned:  
   a. General Uses  
   b. Actions and effects  
   c. Contraindication  
   d. Precautions  
   e. Interactions (Drug-Drug; Food-Drug).  
2. Differentiate between names, classifications and types of drugs.  
3. Identify general properties of drugs and explain the differences between the phases of drug actions.  
4. Identify licensed personnel legally responsible to administer medications.  
5. Describe the role of the professional registered nurse in drug administration and the prevention of medication errors.  
6. Recognize the ethical issues related to drug research and the need for informed consent.  
7. Discuss how the nursing process applies to the management of medication administration.  
8. Identify community setting where the nurse may be involved in drug administration.  
9. Explain how lifespan and cultural aspects can affect the nurse’s role in medication administration. | 1. Develop medication card for each assigned prototype including:  
   a. Names – generic and trade:  
   b. Classifications:  
   c. Uses:  
   d. Actions:  
   e. Side Effects (S/E)  
   f. Adverse Drug Reaction (ADR)  
   g. Contraindications (C/I):  
   h. Nursing Considerations based on the above information. | Required Reading: Adams, Holland & Urban text as assigned. |