Nursing Program
Nursing: Pharmacology
Syllabus
543-103

Instructor: Cynthia Sebastiani
Developed: 3/04
Revised: 12/9/11
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Instructor Information

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Course Information

Required Textbooks:

Pharmacological Aspects of Nursing Care (Available from Campus Bookstore)
Author: Broyles, Reiss, & Evans
Publisher: Delmar
Copyright: 2007
Edition: 7th Edition
ISBN #: 1401888860
Required: Yes

543-103 Pharmacology Syllabus Binder (Available from Campus Bookstore)
Author: Cynthia A. Sebastiani RN, MSN
Publisher: MSTC
Edition: Current Semester
Required: Yes

Recommended Textbooks:

543-104 Pharmacology Competency Handbook (Available from Campus Bookstore)
Author: Nursing Faculty
Publisher: MSTC
Edition: Current Semester
Required: No
VISION STATEMENT

It is the vision of the Wisconsin Technical College System (WTCS)/Mid-State Technical College (MSTC) to be the premier provider of nursing education that prepares individuals for nursing practice and establishes a foundation for lifelong learning.

MISSION STATEMENT

The WTCS/MSTC nursing faculty strives to provide a seamless curriculum, which is flexible and accessible for learners on a statewide basis.

CORE ABILITIES

The MSTC faculty and administrators have worked with representatives from business and industry to identify nine skills that are essential to your success in obtaining and keeping a job. You will work towards obtaining and improving these skills in all your courses. By helping you develop the core abilities and holding you responsible for their application; your teachers will help you increase the likelihood of career success.

A. Acts with integrity, which means that you possess a sense of social, professional and work ethics; and that you demonstrate maturity, responsibility, dependability, and respect for others. In general, you apply a collection of commonly accepted ethical standards for appropriate conduct in professional areas.

   Indicators:
   1. learner works and behaves ethically
   2. learner follows established rules, regulations, and policies
   3. learner assumes responsibility for own action
   4. learner resolves conflict effectively
   5. learner displays a positive attitude
   6. learner assumes shared responsibility for collaborative work
   7. learner defines, prioritizes, and completes tasks without direct supervision

B. Communicates effectively, which means that you apply appropriate writing, speaking, reading, and listening skills in order to precisely convey information, ideas, and opinions.

   Indicators:
   1. learner writes and speaks so others can understand
   2. learner interprets nonverbal communication
   3. learner uses proper communications etiquette
   4. learner uses active listening skills

C. Demonstrates effective critical and creative thinking, which means that you apply the principles and the strategies of purposeful, active, organized thinking. This includes the use of interpretation, analysis, evaluation, inference, explanation and self-regulation.

   Indicators:
   1. learner uses a structured problem-solving approach
   2. learner demonstrates open-mindedness
   3. learner organizes information
   4. learner applies previously acquired knowledge to new tasks

D. Demonstrates global and social awareness, which means that you demonstrate awareness of and sensitivity to the impact that activities in one part of the world have on the rest of the world. These activities may be economic, political, environmental, social, cultural or physical in nature. This ability necessarily implies knowledge of systems and cultures different from one's own.

   Indicators:
   1. learner recognizes human differences in order to promote a cooperative work and social environment
   2. learner summarizes social consequences of prejudice and discrimination
PROGRAM OUTCOMES

At the completion of the 1st year, the PN graduate and ADN student will be competent in the following areas

PRACTICAL NURSE GRADUATE/ADN STUDENT
- Adhere to standards of practice within legal, ethical, and regulatory frameworks of the licensed practical nurse
- Use effective communication skills
- Provide safe caring interventions with diverse populations
- Assist with health assessment of individuals, families, and groups
- Participate in clinical decision-making within the LPN scope of practice
- Use principles of teaching and learning processes to reinforce teaching plans
- Work cooperatively with others to provide holistic care
- Under supervision, manage and direct care within and across health care setting according to established protocols

At the completion of the 2nd year, the ADN graduate will be competent in the following areas

ASSOCIATE DEGREE NURSE GRADUATE
- Adhere to professional standards of practice within legal, ethical, and regulatory frameworks of the registered nurse
- Use effective communication skills
- Assess health of individuals, families, and groups within the context of the Learning Plan
- Make clinical decisions to assure safe and accurate nursing care
- Provide safe caring interventions with diverse populations
- Use teaching and learning processes to promote and restore health
- Collaborate with others to respond to the needs of individuals, families, and groups across the health-illness continuum
- Manage care to facilitate continuity within and across health care settings
Learning Design

<table>
<thead>
<tr>
<th>Information</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Name:</td>
<td>Nursing: Pharmacology</td>
</tr>
<tr>
<td>Course Number:</td>
<td>543-103</td>
</tr>
<tr>
<td>Instructional Area:</td>
<td>Nursing</td>
</tr>
<tr>
<td>Credits:</td>
<td>2 credits</td>
</tr>
<tr>
<td>Contact Hours:</td>
<td>36 hours</td>
</tr>
</tbody>
</table>

Course Description

This course is designed for first semester nursing students enrolled in the Associate Degree and Practical Nursing programs as well as those nurses interested in updating their knowledge of the principles of pharmacology. This course introduces the principles of pharmacology, including drug classifications and their effects on the body. Emphasis is on the use of the components of the nursing process when administering medications. This course is a Web-Enhanced Course.

Welcome to Your MSTC Web-Enhanced Course

A web-enhanced course is the same as a traditional face to face course but with added web-enhancement features. Web-enhanced courses vary from instructor to instructor and from course to course. MSTC uses a program called “Blackboard” as the software for all online and web-enhanced courses. Students do not need to own a computer as each MSTC campus has computers available for student use.

In this course, web-enhancement means that some course content will be online. Each learning plan has a worksheet. All worksheets are on blackboard. This allows students the ability to work on their course worksheets at any time anywhere with computer access. All quizzes as well as the final course exam are online in blackboard. The great thing about taking tests online is that students receive immediate feedback. Blackboard students do not have to turn in work and wait for the instructor to grade it and return it to the student. The computer grades the work and the turn-around time is instantaneous. The student’s grade appears on the computer.

When does the web-enhanced portion of my class begin? The course will be available on the course start date. Upon entering the web portion of the course you will see a welcome announcement from the instructor. Send your instructor an email letting them know that you have successfully logged into the course. You will also have access to a Student Orientation which will assist you in learning how to use Blackboard to successfully complete your course. There will be a short ungraded quiz that you will be expected to complete. This will give the student a feel for taking a quiz online.

Accessing the Course

Go to the MSTC homepage at www.mstc.edu and choose the Current Students option. Under the Student Computing Services category, choose the Online Course Student’s Login page. New online or web-enhanced students: your user-name and password will be your student ID# until you change them. Returning online or web-enhanced students: your username will be your student ID#. Your password will be the password you used the previous semester.
I have my own computer; can I use it for this course? Computer requirements include:

- Pentium computer with a processing speed of at least 200 MHZ; a high speed broadband connection to the internet is preferred (versus a dial-up, lower speed connection).
- Browser: Internet Explorer or Mozilla Firefox.

Course Prerequisites

Prerequisites

- Completed step 2 of admission process
- Must have completed all general education and elective courses

Learning/The Adult Learner:

Self-directed, independent study requires that the student accepts responsibility for learning specific objectives within a defined period of time. The adult learner must assume an active role by setting priorities for all personal activities, thus allowing adequate time to prepare for class and to meet course objectives. Class discussion will only be meaningful if the student has prepared themselves prior to attending class.

Course Activities:

Lecture/Discussion (2 hours per week/semester): The student is responsible for preparation and participation in class discussions. Classroom discussions and activities are designed to clarify assigned material, integrate knowledge from general education into nursing practice, identify concepts to be used in a variety of situations, allow students to be an active participant in learning and cultivate critical thinking in nursing students. Classroom activities permit application of new knowledge and integration of previous knowledge. The discussions will include concepts related to the learning objectives of the unit and applying the concepts in a variety of fashions.

Class Expectations:

The learner is expected to attend and participate in class. If the student is absent it is expected that the learner will get notes and class information from a peer. It is recommended the student notify the instructor of an absence in advance. The learner is expected to come prepared to class. It is expected that the learner has read the assigned readings, reviewed power points from syllabus, and completed recommended learning activities and assignments prior to attending class.
Academic Honesty:

The Mid-State Technical College Board, administration, faculty, and staff believe that academic honesty and integrity are fundamental to the mission of higher education. All students are expected to maintain and promote the highest standards of personal honesty and professional integrity. These standards apply to all examinations, assigned work, and projects. Therefore, a student who is found to have been dishonest, fraudulent, or deceptive in the completion of work or willing to help others to be so or who is found to have plagiarized (presented the work of others as his or her own) is subject to disciplinary action up to and including suspension. (Approved by the Deans Council May 15, 2002)

Library – Journal usage:

When using journals for nursing related assignments from the library, students should never rip articles from the journals. This makes it difficult for other students to access the information. This conduct violates the student code of conduct and students may be prosecuted for destruction of college property.

Disability:

If you know that you have a recognized disability, or suspect that you might have one, it is your responsibility to identify yourself as soon as possible to the Disability Staff in Student Affairs. Course standards will not be lowered but various kinds of accommodations are available to you. In order to qualify for these accommodations, there must be written documentation from a medical disability specialist describing your disabilities. Adequate and reasonable time will be required to develop and provide appropriate accommodations, so contact Disability Services as soon as possible. It is MSTC’s goal to assist you in your individual educational plan. (Approved by the Dean’s Council March 20, 2002)

Audio/Video Recordings:

Students may NOT create audio/video recordings of classes, with the exception of those students requiring an accommodation. (An approved Accommodation plan is required BEFORE audio taping is allowed.) Students creating unauthorized audio recording of lectures violates an instructor’s intellectual property rights and are subject to disciplinary action under the Student Code of Conduct.

With prior approval (approval must be granted BEFORE taping is allowed), students may be allowed to audio/video record lectures to enhance their understanding of the topics presented. Audio/video recordings are not substitutes for attending class. If you choose to record lectures, you must sign an agreement which lists the following terms:

- Recordings are not to be distributed without the permission of the instructor. This includes sharing via the Internet, peer to peer file sharing, or other methods.
- Recordings are not to be shared with other classmates unless they are to be used in collaborative assignments, or if the instructor approves sharing for other reasons.
- You will turn off recorders at the request of instructor.
Any Problems or Concerns:

If you are having difficulty achieving learning plan competencies and learning objectives see your instructor in their office as soon as possible to discuss the problem. You do not need to have a recognized disability to seek help from your instructor. Take initiative to contact your instructor. Don't assume your instructor knows you desire assistance.

Testing Accommodations:

Students must notify the instructor the first week of classes if you require testing accommodations. It is the student’s responsibility to arrange appointments with the Testing Center for all exams/quizzes. Students should make appointments for all tests for this course within the first week of class. Students can refer to the course calendar which will provide all testing dates. Once students have scheduled all of the testing dates, please inform the instructor of the dates. If the Testing Center cannot accommodate a student during the time when the exam should be taken, arrangements should be made to complete the exam prior to the rest of the class, rather than after the assigned date. Remember, students represent the nursing department and professional behavior at the testing center is absolutely expected. On the date of the test, students are expected to report to the Testing Center on time and return to the classroom on time to participate in the lecture.

ADN Student Handbook

Student expectations are discussed in detail in the ADN Student Handbook.
Course Competencies

1. Apply basic pharmacology principles to medication management.
2. Examine legal, ethical, social, and cultural issues related to medication administration.
3. Apply components of the nursing process to the administration of antimicrobial drugs.
4. Apply components of the nursing process to the administration of autonomic nervous system drugs.
5. Apply components of the nursing process to the administration of respiratory system drugs.
6. Apply components of the nursing process to the administration of cardiovascular and renal systems drugs.
7. Apply components of the nursing process to the administration of gastrointestinal system drugs.
8. Apply components of the nursing process to the administration of central nervous system drugs.
9. Apply components of the nursing process to the administration of endocrine system drugs.
10. Apply components of the nursing process to the administration of antineoplastic agents.
11. Apply components of the nursing process to the administration if immunologic agents and other drugs affecting the immune system.
12. Apply components of the nursing process to the administration of analgesic and musculoskeletal system drugs.
13. Analyze the effects of vitamins & herbal supplements.
14. Analyze the effects of and the agents used to treat substance abuse.
Grading Policy

Grades will be determined with the following weighing of activities:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes 5 (online)</td>
<td>50%</td>
</tr>
<tr>
<td>Mid-Term Exam (online and cumulative)</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam (online and cumulative)</td>
<td>15%</td>
</tr>
<tr>
<td>Worksheets (online)</td>
<td>10%</td>
</tr>
<tr>
<td>Drug Reports</td>
<td>10%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

The following standards must be met:

a. To successfully complete a nursing theory course a student must earn a grade of a “C” (80%) or above. A student who does not receive at least a grade of “C” must repeat the course before progressing further in nursing courses.

b. In order to pass the course the student MUST have a solid 80% average or greater on unit and final exams. Failing to do so will result in a “D” course grade. Except for the final grade, all coursework with a score of 0.5 and above will be rounded to the next whole number. The final course score will not be rounded.

c. In the event a student does not pass a unit exam with a minimum of 80%, the student should meet with the instructor to assess individual circumstances, blocks to learning, and previous test taking history. Recognizing that the application of classroom learning is crucial to safe nursing practice and successful completion of the licensure exam, retaking of exams will not be allowed. It is the responsibility of the student to make an appointment with the instructor to discuss the failed exam.
Course Expectations

a. **Attendance** – Attendance in theory class is expected. Students are expected to be in class, on time and ready to begin classroom discussion. Students accruing absences of ≥10% of the total class hours (two classes) will receive a written warning letter stating that you are at risk of not successfully completing the course and any further absences may jeopardize successful course completion. Attendance Policy 3.2.1 in the Nursing Program Handbook applies to this course. See handbook for detailed attendance policy.

b. **Class Participation** – Students will be expected to actively participate in class discussion. At times the instructor may call on students to promote discussion.

c. **Written Assignments** – Students will be expected to hand in all written assignments by 1600 on the due date. Late papers will only be accepted if the instructor is notified prior to the due date of the extraordinary circumstance that prevents you from completing the assignment on time. **All Graded Assignments: 5 points a day will be deducted for late assignments.** See attached “Written Drug Reports” criteria page and the “Written Drug Report Sample Formatting” page for more information on the required written assignment.

d. **Exams and Quizzes** – Exams and quizzes will be held in the nursing computer lab unless otherwise directed. All quizzes and exams are online in blackboard. Exam and quiz questions may include information from the text, class discussion, worksheets, assigned videos, or other learning activities. Students are held responsible for any of the material assigned. See attached “Test Taking Etiquette” and “Test Taking Tips” for more information.

e. **Missed Exams** – Students are expected to complete exams during the exam time frame. If a student is unable to complete the exam by the due date, the student **must** notify the instructor before the due date and make alternative arrangements. If an exam is missed and the student fails to contact the instructor prior to the due date, 5 points will be deducted from the exam score. Students will only be allowed one rescheduled test during the semester, all future tests that need to be rescheduled will automatically have 5 points deducted.

f. **Worksheets** – there are 14 learning plans in this course and there is a worksheet for each learning plan. All worksheets are online in blackboard. Worksheets are due prior to class. All late worksheets will have 5 points deducted from the final worksheet score.

A letter grade will be assigned on the following percentages:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>95-100%</td>
</tr>
<tr>
<td>A-</td>
<td>93-94%</td>
</tr>
<tr>
<td>B+</td>
<td>91-92%</td>
</tr>
<tr>
<td>B</td>
<td>87-90%</td>
</tr>
<tr>
<td>B-</td>
<td>85-86%</td>
</tr>
<tr>
<td>C+</td>
<td>83-84%</td>
</tr>
<tr>
<td>C</td>
<td>80-82%</td>
</tr>
<tr>
<td>C-</td>
<td>79%</td>
</tr>
<tr>
<td>D+</td>
<td>78%</td>
</tr>
<tr>
<td>D</td>
<td>77%</td>
</tr>
<tr>
<td>D-</td>
<td>76%</td>
</tr>
<tr>
<td>F</td>
<td>below 76%</td>
</tr>
</tbody>
</table>
Test Taking Etiquette

1. Be on time. If you are more than five minutes late for a test do not come into the classroom. The student will make arrangements with the instructor to take the test. Late points will apply per policy.

2. Be prepared for the test by having all supplies out before the test begins. Have all pens, pencils, calculators, tissue, etc. out of your backpack before the test begins. Sharpen pencils before the test begins.

3. All electronic devices will be turned off during a test. Use of the vibrate mode is not allowed because it can be a distraction.

4. Please exit the room quietly.

5. Please do not gather outside the classroom. You may return to the classroom when asked by the instructor to return.

6. To avoid distracting those taking the test with zippers, snaps, or buckles please quietly take your purse, backpack, jacket etc. outside the classroom when you complete the test, if needed.

7. No eating during a test. All beverages must be opened before the test begins.

8. Once the test begins you are not permitted to leave the room until your test is completed.
Written Drug Reports

Part of the grade for this course is a drug report. Each student will be given a list of five drugs. Students are to then report on each of these five drugs. Using the following criteria students will write a report and submit it.

<table>
<thead>
<tr>
<th>Criteria for completing the Pharmacology Written Drug Report</th>
<th>Possible Points = 100</th>
<th>Points Earned</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic/Brand Names of Drugs</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification of each drug</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Action of each drug (how does it work in the body)</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side effects of each drug</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contraindications of each drug (when would the nurse not give or give only with caution)</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing implications of each drug (assessments performed for each drug: including both prior to administration and after administration)</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaluation of drug therapy of each drug (how would the nurse assess if the medication is helping or hindering the patient)</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient teaching needed for this drug</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Presentation/Organization of Report</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>● Orderly, organized, logical format, incorporates medical terminology</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>● Paper is typed, double-spaced &amp; neat (spelling and grammar count)</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>● Paper should be no more than 12 pages in length</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>● Uses at least 3 different sources for references. Sources are recent (no more than 5 years old). All sources of information are documented</td>
<td></td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Total Points</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Calendar for Spring 2012

<table>
<thead>
<tr>
<th>Week of</th>
<th>Pharmacology 543-103</th>
<th>Assessment &amp; Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 16 Week 1</td>
<td>Orientation Learning Plan (LP)1: Pharmacology Principles Begin Learning Plan 2: Legal/Ethical</td>
<td>Orientation – Introduction – Discussion Complete study guide on LP 1 prior to class</td>
</tr>
<tr>
<td>January 23 Week 2</td>
<td>Complete Learning Plan 2: Legal/Ethical Begin Learning Plan 3: Antimicrobial Drugs</td>
<td>Complete study guide on LP 2 prior to class</td>
</tr>
<tr>
<td>January 30 Week 3</td>
<td>Complete Learning Plan 3: Antimicrobial Drugs Begin Learning Plan 4 Analgesics Chapter’s 10 &amp; 12</td>
<td>Complete study guide on LP 3 prior to class</td>
</tr>
<tr>
<td>February 6 Week 4</td>
<td>Continue Learning Plan 4: Analgesics Chapter’s 10 &amp; 12</td>
<td>Quiz # 1: LP’s 1 – 3 Complete study guide on LP 4 prior to class</td>
</tr>
<tr>
<td>February 13 Week 5</td>
<td>Complete Learning Plan 4: Analgesics Chapters 13 &amp; 30 as needed Begin Learning Plan 5</td>
<td>Complete study guide on LP 5 prior to class</td>
</tr>
<tr>
<td>February 20 Week 6</td>
<td>Learning Plan 5: Autonomic Nervous System Begin Learning Plan 6</td>
<td>Complete study guide on LP 6 prior to class</td>
</tr>
<tr>
<td>February 27 Week 7</td>
<td>Learning Plan 6: Respiratory Drugs Begin Learning Plan 7</td>
<td>Complete study guide on LP 7 prior to class</td>
</tr>
<tr>
<td>March 5 Week 8</td>
<td>Learning Plan 7: Cardiovascular</td>
<td>Quiz # 2: LP’s 4 – 6</td>
</tr>
<tr>
<td>March 12 Week 9</td>
<td>Learning Plan 8: Gastrointestinal Drugs</td>
<td>Mid-Term Exam (LP’s 1 – 5) Complete study guide on LP 8 prior to class</td>
</tr>
<tr>
<td>March 19</td>
<td></td>
<td>SPRING BREAK – NO CLASSES</td>
</tr>
<tr>
<td>March 26 Week 10</td>
<td>Learning Plan 9: CNS Drugs</td>
<td>Drug Report Due Complete study guide on LP 9 prior to class</td>
</tr>
<tr>
<td>April 2 Week 11</td>
<td>Complete Learning Plan 9: CNS Drugs as needed</td>
<td></td>
</tr>
<tr>
<td>April 9 Week 12</td>
<td>Learning Plan 10: Endocrine Drugs</td>
<td>Quiz # 3: LP’s 7 – 9 Complete study guide on LP 10 prior to class</td>
</tr>
<tr>
<td>April 16 Week 13</td>
<td>Learning Plan 11: Immunological Learning Plan 12: Antineoplastic Drugs</td>
<td>Complete study guide on LP 11 prior to class Complete study guide on LP 12 prior to class</td>
</tr>
<tr>
<td>April 23 Week 14</td>
<td>Complete learning Plan 13: Vitamins and Minerals</td>
<td>No classes on April 24 – Registration Day Quiz # 4: LP’s 10 – 12 Complete study guide on LP 13 prior to class</td>
</tr>
<tr>
<td>April 30 Week 15</td>
<td>Learning Plan 14: Substance Abuse</td>
<td>Complete study guide on LP 14 prior to class</td>
</tr>
<tr>
<td>May 7 Week 16</td>
<td></td>
<td>Quiz # 5: LP’s 13 – 14</td>
</tr>
<tr>
<td>May 14 Week 17</td>
<td></td>
<td>Final Exam Learning Plans 6 – 14</td>
</tr>
</tbody>
</table>