NURS 3316.01B Principles of Pharmacology and Pathophysiology I

COURSE SYLLABUS: Spring, 2022

Instructor Information

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Preferred Form of Communication: Email
Communication Response Time: Two business
days

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbooks Required

Adam, M., Holland, N. & Urban, C. (2020). Pharmacology for nurses: A
   pathophysiologic approach (6th ed.). Pearson. ISBN: 9780135218334.

Beery, T. A., Workman, M. L., Eggert, J. A. (2018). *Genetic and genomics in nursing and health
   care* (2nd ed.). F.A. Davis.

Holman, H., Williams, D., Sommer, S., Johnson, J., Ball, B. S., Wheless, L., Leehy, P. &
   Lemon, T. (2019). Content Mastery Series ® review module: RN adult medical
   surgical nursing (11th ed.). https://www.atitesting.com

Holman, H., Williams, D., Sommer, S., Johnson, J., Ball, B. S., Morris, C., Wheless, L.,
   McMichael, M., Roland, P., Leehy, P. & Hertel, R. (2019). Content mastery series ®
   reviewmodule: RN pharmacology for nursing (8th ed.). https://www.atitesting.com.
   (Will be provided)

Nurse's drug guide (20th ed.). (2021). Berlington, MA: Jones & Bartlett
   Learning.ISBN: 978-1284195361

Software Required

Assessment Technologies Institute, LLC. (2021). http://www.atitesting.com

Optional Texts and/or Materials

American Psychological Association (APA) Formatting and Style Guide (7th ed.):
    https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html

Course Description

This course combines two related nursing concepts: Pharmacology and Pathophysiology. Pathophysiology relates manifestations of disease, risk factors for disease, and the principles of pathology underlying illness and injury. Pharmacology focuses on the basic drug classifications, concepts, and principles of pharmacology. The course will relate both concepts in selected disease conditions to the nursing role in developing a comprehensive approach to clinical application using the nursing process for therapeutic nursing interventions and outcomes.

Prerequisites: BSC 2401 and BSC 2402

Student Learning Outcomes (Should be measurable; observable; use action verbs) By the end of the course, the student will be able to:

1. Analyze the characteristics of autosomal-dominant, autosomal-recessive, sex-linked-recessive, sex-linked dominant, and complex trait/disorder patterns of inheritance (Domain 2: Person-Centered Care; Domain 3: Population Health).
2. Apply general concepts of pharmacokinetic and pharmacodynamic processes and their application in drug therapy and the nursing process (Domain 1: Knowledge for Nursing Practice).
3. Recognize significant adverse drug reactions, drug-drug, and drug-nutrient interactions (Domain 5: Quality and Safety).
4. Describe classifications of drugs used in the current treatment of disease processes (Domain 5: Quality and Safety).
5. Provide client teaching regarding drug therapy that reflects rural access, developmental stage, age, culture, and spirituality (Domain 2: Person-Centered Care; Domain 3: Population Health).
6. Apply principles of normal anatomy and physiology of human body systems to the pathophysiologic processes of common health problems (Domain 4: Scholarship for Nursing Practice).
7. Identify concepts, principles, and responses related to pathophysiologic processes that result in disease (AACN Essentials VII). Domain 1: Knowledge for Nursing Practice).
8. Discuss clinical manifestations of selected disease processes and health problems (Domain 4: Scholarship for Nursing Practice).
9. Discuss the nurse's role and responsibility for assessing individuals experiencing health problems resulting in pathophysiologic alterations (Domain 4: Scholarship for Nursing Practice).

Course Requirements

Minimal Technical Skills Needed

Using the learning management system, using Microsoft Word, Microsoft Excel and PowerPoint.

Instructional Methods

This is a blended course requiring students to complete reading assignments, online activities and independent study to be successful. Course objectives may be met through individual study using suggested resources, active involvement in classroom activities, formal, and informal exchange of ideas with classmates and colleagues regarding specific topics as well as utilizing critical thinking skills. Teaching methods include lecture, seminar, discussion, small group work, independent study of texts and library resources, computer-assisted instruction, audio-visual aids, and assignments. While the professor will provide guidance and consultation, the student is responsible for identification of learning needs, self-direction, seeking consultation, and demonstration of course objectives.

Student Responsibilities or Tips for Success in the Course

- Logging into the course website and email regularly (daily) for faculty communication (especially the night before class/clinical)
- Updating semester calendar with communicated changes
- Regular study (recommend a minimum 2-3 hours study/course credit hour per week). For example 3-credit course = 6 to 9 hours study time/week.
- Attendance at all class meetings, clinical, seminars and simulations
- Review and remediation of examinations.
- Read all material before entering class
- Attendance at all class meetings, clinicals, seminars, and simulations

Advising Statement

Before being accepted and entering the nursing program, undergraduate students may have been advised by a pre-nursing advisor. However, once admitted into nursing, the nursing faculty become the student's advisor. The nursing department subscribes firmly to the chain of command because, as nurses, that is how most employers will require you to resolve issues. If you have a problem with a course, you should contact your instructor, then the course coordinator, then the department head for nursing. Therefore, any advisement questions or any other concerns you have should first be discussed with your clinical or course instructor. She/he is your advisor for that semester.

Class Conduct

Please turn off or silence, and put away all cell phones, pagers, iPods, headphones, etc., before entering the classroom, lab, sim hospital, or clinical setting. No obscene or vulgar language will be permitted. Faculty reserves the right to drop a student for violations of any student conduct rules listed in the student guide.

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%
B = 80%-89%
C = 75%-79%
D = 60%-74%
F = Below 60%

ASSESSMENTS

Assignments	Weights
Exams (7 @ 10% each)	70%
Pathomaps (8 @ 1% each)	8%
Group Presentations	6%
Prework (16 @ 1% each)	16%

A minimum grade of 75 is required to pass the course. Students must achieve a minimum average of 75% on all exams in order to pass the course. Other graded assignments will not be added to the final grade unless exam grade average is 75% or higher.

All students with an exam grade of less than 75 must review their exam. It is the student's responsibility to contact their clinical instructor or course coordinator by email to set up an appointment to review the exam. The current exam must be reviewed before the next scheduled exam. Only the most current exam may be reviewed. Do not wait until the last minute to request a review. Of course, all students are welcome to review their exams but should follow the same procedure.

Successful completion of the examinations and other required assignments will enable the student to meet the student learning outcomes.

Late Submissions:

It is expected that you will submit all class and clinical assignments on time. If you need an extension, it should be requested <u>before</u> the due date/time and may or may not be approved at the discretion of the course coordinator. Unexcused late assignments will be penalized 10% per day for each of the first two days overdue; on the 3rd day, the grade will be assigned as 0%. Communication on these matters is the student's responsibility.

Multiple instances of late clinical assignments will result in receipt of a Student Performance and Behaviors Evaluation Form and, possibly, failure of clinical/course.

Group Work:

All members of the group will receive the same grade on any group work. However, a student can be removed from his/her team if the other students in the group come to the instructor and report that a student is not doing his/her fair share of the work. If that happens, the instructor will notify the student in writing. The student will then be responsible for doing the assignment on his/her own. It is expected that the group will make the attempt to resolve the situation within the group before instructor intervention.

Rounding of Final Grade:

Faculty may round final grades in alignment with the American Standard for Testing and Materials (ASTM) International Standards, which allow for 'rounding only after all calculationsleading to the final result are completed.' Therefore, rounding of grades for individual assignments is not an accepted practice. Rounding will be calculated using the "five-up" rule

allowing for decimal numbers that meet or exceed the halfway point between two values to berounded up to the larger value. For example, a grade of 89.5 equals an A, whereas a grade of

89.49 equals a B. Therefore, prior to the awarding of final course grades, faculty will ensuregradebook software in a course is in alignment with this standard. Rule retrieved from https://www.astm.org/SNEWS/SO_2008/datapoints_so08.html

Policy link insert

Assessments

- ## Exams

There are seven proctored, computer-based examinations. The Course Outline/Calendar identifies exam dates and applicable content. Questions will be in multiple formats, whichcould include multiple-choice, select all that apply, matching, sorting, short answer, etc. (Learning Outcomes # 1- 10)

NOTE: Students arriving after the exam start will not be permitted entry. Students will needto take a make-up exam at a date/time scheduled by faculty. Failure to arrive on time for a make-up exam could result in a zero.

- **Pathomaps**

Students will complete eight pathomaps using the ATI Testing Pathomap template. Topics and due dates for each pathomap are found in the Course Outline/Calendar. Specific required content for the pathomap can be found on the grading rubric. Students to be assigned a partner to complete pathomaps alongside (each submit separately in D2L). Include names at the top of assignment submission. (Learning Outcomes # 1- 10)

- **Group Presentation**

Students will be divided into groups and each group will be assigned a disease process. The group is to discuss the pharmacology and pathophysiology concerning the assigned disease process with a informal, without any audiovisual aids or notecards, to their classmates and lead a discussion. All members of the group must present. Presentation and discussion is a maximum of 20 minutes per group. See grading rubric on D2L. (Learning Outcomes # 4 - 5, 7- 10)

- **Prework**

Students will complete sixteen prework assignments. Prework is designed to assist the student in being prepared for class day. Faculty will not lecture the reading material but rather facilitate classroom activities to help students apply and analyze the information. Prework assignments must be submitted to the appropriate assignment folder on D2L by 2359 on the due date indicated on the course outline/calendar. Bring a printed copy of the prework assignment or have it available for viewing on a laptop by faculty at the beginning of class. The prework is a ticket to class participation. Students who have not completed the prework assignment(s) will not be permitted into class and will still be held accountable for the material. Include name at the top of assignment submission. (Learning Outcomes # 1-10)

Technology Requirements

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are the technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.ht m

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

Access and Navigation

You will need your campus-wide ID (CWID) and password to log into the course. For assistance, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

Communication and Support

If you have any questions or are having difficulties with the course material, please contact the faculty.

For technical difficulty with any part of Brightspace (D2L), contact Brightspace Technical Support at 1-877-325-7778. Additional support options can be located at https://community.brightspace.com/support/s/contactsupport

Interaction with Instructor

It is expected that you will check your D2L course and email regularly for communication from the instructor(s). Be sure to check the night before class/clinical. A response to any email or message will occur within two (2) business days.

Communication between faculty and students is primary and taken seriously. Preferred communication methods are individualized office hours, email, or via cell-phone. If a phone call is not answered, please leave a message and send an e-mail using the direct e-mail link on the course home page. You will be treated with collegial respect and you are expected to communicate likewise in a professional manner.

Faculty will make every effort to return class assignments within two weeks of submission and feedback on clinical work before subsequent work is due.

A professional writing style is a standard for any nurse. As such, the following principles should be followed when drafting any assignment or posting any comments to D2L:
- All written assignments must reflect APA style and APA citations/reference guidelines (7th ed.).
- Absolutely no plagiarism will be tolerated. Please cite your source(s) appropriately.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Nursing Student Guide

Specific information for the nursing student regarding the nursing program and current policies and procedures can be found in the BSN Student Guide located here: http://www.tamuc.edu/academics/colleges/educationHumanServices/departments/nursing/Cu rrent%20Students/BSNstudentguidebook/default.aspx

It is the student's responsibility to review and understand all policies and procedures in the student guidebook, as all students are held to the statutes and policies therein.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

Class

1. Class Cancellation: In the event that a class is canceled, the student is expected to do the readings and complete the objectives for that day. The content will still be included on examinations. The material in this syllabus and dates identified in the Course Calendar are subject to change.
2. Class attendance is expected. The students should notify course coordinator in advance of any absence.
3. Exam dates are listed in each course syllabus, and the student is expected to be present for exams. In the event that the student will be absent, the course coordinator must be notified in advance. Failure to do so may result in the student receiving a zero for the missed exam or quiz. Review the BSN Student Guide for the exam absence process.
4. As an adult learner and responsible professional, the student is responsible for reading and completing assignments prior to class and for being prepared to participate in discussions over the assigned material. It should not be expected that all material would be covered in class. Students are expected to come to class prepared.

University Specific Procedures

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook. http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuideboo k.aspx

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: https://www.britannica.com/topic/netiquette

TAMUC Attendance

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03
Undergraduate Student Academic Dishonesty Form

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf

Graduate Student Academic Dishonesty Form

http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Students with Disabilities-ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu
Website: Office of Student Disability Resources and Services
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web URL:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit **www.tamuc.edu/counsel**

Department or Accrediting Agency Required Content

The Board of Nursing requires applicants, students throughout the program, graduates and licensure renewals to answer questions as to their ability to be admitted to a nursing program, sit for the NCLEX-RN exam or be re-licensed. You are responsible for checking those questions to be sure you remain in compliance. Keep in mind that your fingerprints are on file with the BON so if you should ever be arrested, they would be notified. You should notify them proactively. The link is as follows: https://www.bon.texas.gov/licensure_eligibility.asp

COURSE OUTLINE / CALENDAR

COURSE SCHEDULE
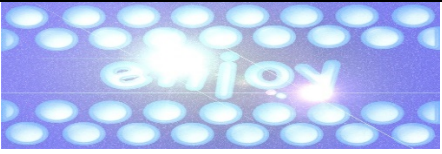Class every Monday from 1300 – 1450 in NHS Room 261
Exams: Monday's beginning at 1300 in NHS Room 261
Prior Proper Planning Prevents Poor Performance

Week	Topical Outline	Reading Assignments	Activities and Assignments
Week 1 1/12-1/14	Course Orientation Medical Terminology Class 1/12 1-2:50 Core Concepts in Pharmacology Class 1/14 1030-12:20	**Adams** *Chapter 1-3*	Review Medical Terminology found in D2L Week 1 Prework # 1: Medical Terminology Quiz on D2L Due by 1/14 @ 2359
Week 2 1/17-1/21	WE WILL NOT MEET IN PERSON – Martin Luther King Holiday Patterns of Inheritance	**Beery, Workman, Eggert** *Chapter 4*	Prework # 2: Genomic Nursing Concept Inventory (GNCI) Quiz Due 1/18 by @2359
Week 3 1/24-1/28	Core Concepts in Pharmacology Class: 1/24	**Adams** *Chapter 4-5* **ATI Pharmacology for Nursing** *Chapters 1-6*	Prework # 3: ATI Pharmacology Made Easy 4.0 Introduction to Pharmacology Due 1/23 @2359 **Exam #1** Will cover content from weeks 1 & 2

Week	Topical Outline	Reading Assignments	Activities and Assignments
Week 4 1/31-2/4	Pharmacology & the Nurse-Patient Relationship Class: 1/31	**Adams** *Chapter 6-7, & 11*	Prework # 4 Quiz on D2L Due by 1/30 @2359
Week 5 2/7-2/11	Pharmacology & the Nurse-Patient Relationship Class: 2/7	**Adams** *Chapter 8-10*	Prework # 5 Quiz on D2L Due by 2/6 @2359 **Exam #2** Will cover content from weeks 3 & 4
Week 6 2/14-2/18	The Immune System Class: 2/14	**Adams** *Chapter 33-34* ATI ***Pharmacology Made Easy 4.0*** Infection Module (Online Module) **ATI Pharmacology for Nursing** *Chapters 41* **ATI RN Adult Medical Surgical Nursing** *Chapter 34, 84, 85*	Prework # 6 ATI Pharmacology Made Easy 4.0 Infection Due by 2/13 @ 2359 you Rock
Week 7 2/21-2/25	The Immune System Class: 2/21	**Adams** *Chapter 35-36* **ATI RN Pharmacology for Nursing** *Chapters 43-47* **ATI RN Adult Medical Surgical Nursing** *Chapter 23*	Group # 1 Presentation Prework # 7 Drug Cards (Active Learning Template – Medication) Due by 2/20 @ 2359 **Exam #3** Will cover content from weeks 5 & 6

Week	Topical Outline	Reading Assignments	Activities and Assignments
Week 8 2/28-3/4	The Immune System Class: 2/28	**Adams** *Chapter 37, 38* **ATI RN Pharmacology for Nursing** *Chapter 42, 48* **ATI RN Adult Medical Surgical Nursing** *Chapter 55, 86, 89, 91-93*	Group # 2 Presentation Prework # 8 Drug Cards (Active Learning Template – Medication) Due by 2/27 @ 2359 Pathomap # 1 Due by 2/27 @ 2359
Week 9 3/7-3/11	The Cardiovascular and Urinary Systems Class: 3/7	**Adams** *Chapter 24* **ATI RN Pharmacology for Nursing** *Chapter 19* **ATI RN Adult Medical Surgical Nursing** *Chapter 59*	Group # 3 Presentation Prework # 9 Drug Cards (Active Learning Template – Medication) Due by 3/6 @ 2359 Pathomap # 2 Due by 3/6 @ 2359 **Exam #4** Will cover content from weeks 7 & 8
Week 10 3/14-3/18	WE WILL NOT MEET IN PERSON – Spring Break		
Week 11 3/21-3/25	The Cardiovascular and Urinary Systems Class: 3/21	**Adams** *Chapter 25* **ATI RN Adult Medical Surgical Nursing** *Chapter 43-45*	Prework # 10 Drug Cards (Active Learning Template – Medication) Due by 3/20 @ 2359 Pathomap # 3 Due by 3/20 @ 2359

Week	Topical Outline	Reading Assignments	Activities and Assignments
Week 12 3/28-4/1	The Cardiovascular and Urinary Systems The Gastrointestinal System Class: 3/28	**Adams** *Chapters 32 & 43* **ATI RN Pharmacology for Nursing** *Chapter 25, 30* **ATI RN Adult Medical Surgical Nursing** *Chapter 41, 42*	Group # 4 Presentation Prework # 11 Drug Cards (Active Learning Template – Medication) Due by 3/27 @ 2359 Pathomap # 4 Due by 3/27 @ 2359 **Exam #5** Will cover content from weeks 9 & 11
Week 13 4/4-4/8	The Gastrointestinal System Class: 4/4	**Adams** *Chapter 41* **ATI RN Adult Medical Surgical Nursing** *Chapters 48, 49* **ATI RN Pharmacology for Nursing** *Chapter 28*	Group # 5 Presentation Prework # 12 Drug Cards (Active Learning Template – Medication) Due by 4/3 @ 2359 Pathomap # 5 Due by 4/3 @ 2359
Week 14 4/11-4/15	The Gastrointestinal System Class: 4/11	**Adams** *Chapter 42* **ATI RN Adult Medical Surgical Nursing** *Chapters 50-54* **ATI RN Pharmacology for Nursing** *Chapter 29*	Group # 6 Presentation Prework # 13 ATI Pharmacology Made Easy 4.0 Gastrointestinal System Due by 4/10 @ 2359 Pathomap # 6 Due by 4/10 @ 2359

Week	Topical Outline	Reading Assignments	Activities and Assignments
Week 15 4/18-4/22	The Nervous System The Integumentary System, Eyes and Ears Class: 4/18	**Adams** *Chapters 18 & 48* **ATI RN Adult Medical Surgical Nursing** *Chapter 4, 70, 72, 87, 88* **ATI RN Pharmacology for Nursing** *Chapters 33-38*	Group # 7 Presentation Prework # 14 ATI Pharmacology Made Easy 4.0 Pain and Inflammation Due by 4/17 @ 2359 Pathomap # 7 Due by 4/17 @ 2359 **Exam #6** Will cover content from weeks 12, 13 & 14
Week 16 4/25-4/29	The Integumentary System, Eyes and Ears Class: 4/25	**Adams** *Chapter 49* **ATI Pharmacology for Nursing** *Chapters 14* **ATI RN Adult Medical Surgical Nursing** *Chapter 74*	Prework # 15 Drug Cards (Active Learning Template – Medication) Due by 4/24 @ 2359
Week 17 5/2-5/6	The Integumentary System, Eyes and Ears Class: 5/2	**Adams** *Chapter 50* **ATI RN Adult Medical Surgical Nursing** *Chapter 12, 13*	Prework # 16 Drug Cards (Active Learning Template – Medication) Due by 5/1 @ 2359 Pathomap # 8 Due by 5/1 @ 2359
Week 18 5/9 – 5/13	Finals Week Class: 5/9		**Exam #7** Will cover content weeks 15, 16 & 17

Prework Assignments:
1   Medical Terminology Exam in D2L
2   Genomic Nursing Concept Inventory (GNCI) Quiz (Link will
be provided) # 4   Quiz in D2L
5   Quiz in D2L
6   ATI Pharmacology Made Easy 4.0 *Infection Module*
7   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Penicillin, Cephalexin, Vancomycin, Arithromycin
8   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Acyclovir, Zanamivir, Methotrexate, Tamoxifen
9   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Furosemide, Hydrochlorohtiazide, Spironolactone,
         Bumetanide
10   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Normal Saline, Lactate Ringer's, 5% Dextrose in
         Water, Sodium Bicarbonate
11   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Cyanocabalamin, Potassium Chloride, Ferrous
         Sulfate, Magnesium Oxide
12   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Famotidine, Omeprazole, Metronidazole,
         Esomeprazole
13   ATI Pharmacology Made Easy 4.0 Gastrointestinal System
14   ATI Pharmacology Made Easy 4.0 Pain and Inflammation
15   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Bacitracin Ointment, Mupirocin, Adapalene,
         Triamcinolone Acetonide
16   Drug Cards (Active Learning Template – Medication) Complete one Template
         on **EACH** of thefollowing: Bimatoprost, Mannitol, Ciprofloxacin

Pathomap Assignments: Complete the ATI Systems Disorder Template on **ONE** of the
disorders for eachassignment
1   HIV/AIDS, Viral Hepatitis (include Hepatitis A, Hepatitis B, Hepatitis C)
2   Acute kidney injury (AKI), Chronic kidney disease, End-stage renal disease (ESRD)
3   Sodium imbalance (include hypernatremia & hyponatremia), Potassium imbalance include
(include hyperkalemia & hypokalemia), Acidosis (include respiratory & metabolic), Alkalosis
(include respiratory & metabolic)
4   Vitamin deficiency anemia, Iron deficiency anemia, Undernutrition/malnourished, Obesity
5   Peptic ulcer disease (PUD), Gastroesophageal reflux disease (GERD), Helicobacter pylori
(H. pylori), Esophageal varices
6   Crohn's disease, Ulcerative colitis, Pancreatitis, Cirrhosis
7   Osteoporosis, Osteoarthritis, Rheumatoid arthritis, Gout
8   Dermatitis, Psoriasis, Glaucoma (open & closed angle), Otitis

Group Presentations Assignments:
#1 Tuberculosis
#2 Hepatitis A, B, C
#3 Chronic Renal Failure
#4 Anemia (discuss different types)
#5 Gastroesophageal Reflux Disease (GERD)
#6 Irritable Bowel Disease or Syndrome (IBS)
#7 Osteoarthritis

Rubrics

See specific sections for assignments in D2L.