**NURS 3366-072 (ONLINE COURSE): Pathophysiologic Processes: Implications for Nursing**

Spring 2013

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**Description of Course Content:** Pathophysiologic alterations, their interactions, and effects on persons across the life span as a basis for therapeutic nursing interventions.

**Prerequisite**s: BIOL 2457, 2458, CHEM 1451. Also, reliable internet access, fast connection speed, and

intermediate computer skills.

**Student Learning Outcomes:**

1. Discuss human anatomical structures, physiologic processes and pathologic alterations that are expressed as diseases of cells, organs and body systems across the lifespan.

2. Describe environmental and genetic factors known to influence disease development.

3. Describe epidemiological, etiological, and risk factors associated with prevention, transmission, restoration, and/or modification of disease processes.

4. Describe specific compensatory mechanisms used by the human body in response to pathophysiologic processes.

5. Relate pathophysiologic functioning of selected processes with the resulting signs and symptoms.

6. Apply knowledge of select pathologic processes in the nursing management of patient diseases across the lifespan.

7. Apply current research findings with evidence-based guidelines for the nursing management of selected diseases.

**Required textbook:**

McCance & Heuther. (2013). *Understanding pathophysiology.* (5th ed). Mosby. ISBN 9780323078917

You are not required to purchase the Evolve portion of this book nor are you required to purchase the study guide.

**UTA College of Nursing Grading Criteria**

* In order to successfully complete an undergraduate nursing course at UTA, the following minimum criteria must be met:
  + **70% weighted average on exams**.
  + 70% weighted average on major written assignments.
  + 90% on math test (if applicable).
  + 90% on practicum skills check offs (if applicable).
* In undergraduate nursing courses, all grade calculations will be carried out to two decimal places and ***there will be no rounding of final grades***. Letter grades for tests, written assignments and end-of-course grades, etc. shall be:

           A= 90.00 – 100.00

            B= 80.00 - 89.99

            C= 70.00 – 79.99

            D= 60.00 – 69.99

* The existing rule of C or better to progress remains in effect; therefore, to successfully complete a nursing course, students shall have a course grade of 70.00 or greater. Grades will be accessible via Blackboard.

**ASSIGNMENTS AND EXAMINATIONS** for **Pathophysiologic Processes: Implications for Nursing:**

**1. To be able to participate fully in assignments and exams; you *must*:**

* ***have reliable and speedy internet access*.** This course requires you to have reliable internet access and fast connection speed, as you will be taking online tests. For more information on computer needs specific to Blackboard, please go to <http://www.uta.edu/blackboard/students/index.php>. Alternatively there is the UTA Help Desk 817-272-2208 or [helpdesk@uta.edu](mailto:helpdesk@uta.edu) and/or the Learning Resource Center (LRC) in Pickard Hall: http://www.uta.edu/nursing/centers/resource/lrc.php.
* ***have intermediate-level computer competency*.** You must be very comfortable with: using email & discussion boards; uploading and downloading documents; and accessing resources such as search engines & websites.
* ***check Blackboard & UTA e-mail for messages and important information*** ***on a daily or near-daily basis.***

**2. Assignments:**

* There are ten Assignments to be submitted per semester, each worth 3% (all Assignments together are worth **30**% of grade).
* The Assignments are posted on Blackboard and include specific learning objectives for each content topic.

**3. Examinations:**

* There are a total of five online exams. See Class Schedule for their dates. (Also, see next sections for more details, including warnings against missed/late assignments and/or missed exams.)
* Exams consist of critical thinking questions based on notes that are called “Required Reading Documents (RRDs),” associated documents such as concept maps, and the assignments.
* Tests 1, 2, 3, & 4 are NOT cumulative. Exam 5 is the final exam. It *IS* cumulative in content.
* Together, the 5 exams are worth **70%** of your grade.

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| **WEIGHTED GRADE CALCULATIONS EXAMPLE** | | | |
|  | **Weight in points (ex: 20% = 20 points)** | **Student Grade in Decimals (ex: 83.5% = 0.835)** | **Weighted Points per item** |
| Assignment 1 | 3% of your grade = 3 points | 72.3% = 0.723 | 3 X 0.723 = 2.17 |
| Assignment 2 | 3 | 80% = 0.8 | 3 X 0.8 = 2.4 |
| Assignment 3 | 3 | 70% = 0.7 | 3 X 0.7 = 2.1 |
| Assignment 4 | 3 | 83.5% = 0.835 | 3 X 0.835 = 2.5 |
| Assignment 5 | 3 | 90% = 0.9 | 3 X 0.9 = 2.7 |
| Assignment 6 | 3 | 60% = 0.6 | 3 X 0.6 = 1.8 |
| Assignment 7 | 3 | 100% = 1 | 3 X 1 = 3 |
| Assignment 8 | 3 | 0 (no submission) | 3 X 0 = 0 |
| Assignment 9 | 3 | 90% = 0.9 | 3 X 0.9 = 2.7 |
| Assignment 10 | 3 | 75% = 0.75 | 3 X 0.75 = 2.25 |
|  |  | Total assignment points **21.62** | |
| Test 1 | 14 | 65.2% = 0.652 | 14 X 0.652 = 9.128 |
| Test 2 | 14 | 80% = 0.8 | 14 X 0.8 = 11.2 |
| Test 3 | 14 | 53% = 0.53 | 14 X 0.53 = 7.42 |
| Test 4 | 14 | 70% = 0.7 | 14 X 0.7 = 9.8 |
| Final exam | 14 | 85.7% = 0.85 | 14 X 0.85 = 11.9 |
|  |  | Total test points **49.448** | |
| **21.62** + **49.448** = **71.068** = Course grade of **C** | | | |

**GRADING PROCESS** for **Pathophysiologic Processes: Implications for Nursing:**

1. Reiteration of UTA COLLEGE OF NURSING RULES as stated on page 1: At the end of the semester, you must have an exam average of at least 70%. If you do NOT have an exam average of

at least 70%, your assignments grades, no matter how good, will be INELIGIBLE for inclusion in your course grade. Your course grade will reflect only the exam grade average and you will NOT receive a passing grade for the course.

2. On the other hand, if your final exam average is at least a 70% or higher, your assignment grade

will then be counted towards your final course grade.

**ONLINE TESTING AND ASSIGNMENT RULES**

**1. Re: academic honesty:** As future nurses, you are held to ***particularly high ethical standards***.

a. When applied to test-taking, these standards include the following… *YOU MUST*:

* ***WORK ALONE and without notes or other resources* (including electronic ones)** as you take each of the tests in this course. (Most of the questions are critical thinking questions, not just rote information to memorize, so answering a question correctly will entail true understanding of the content. Thus using forbidden “helpers” such as cheat sheets, etc, will not be particularly helpful anyway.)

(\*\*\*\*Note: you may have BLANK paper to draw on or otherwise figure out problems during the test. *FEED TO YOUR PAPER SHREDDER AFTERWARDS.)*

* ***maintain test security*** by *NOT* discussing the questions with your peers or *attempting to copy the tests in any way (this includes screen shots)*. Remember, you may be in other pre-nursing classes with students who have not yet taken pathophysiology with me. If you discuss test questions or content of tests with these students, ***this is a violation of test security***, and will result in being reported for academic dishonesty.
* ***report breaches of honesty****.* If you know of dishonest behavior occurring you are ethically bound to report it.

\*\*\*\***Note: Each time you take a test, you will see this announcement**

*When you submit the test you are acknowledging the following pledge:*

* *By submitting this test, I certify these responses are entirely my own work and that I have not used notes, the textbook, the internet, or other electronic applications while taking the exam.*
* *I have not copied the work of any other student (past or present) or collaborated with anyone on this quiz.*
* *I will not share the questions or answers from this test with other students.*
* *I understand that I am allowed blank paper and a pencil to work out problems as necessary but that I must shred the paper afterwards. NO other papers or books shall be open in view.*

*I understand that not adhering to the pledge above constitutes academic dishonesty,*

*which is grounds for dismissal from the program.*

b. When applied to submitting **assignments**, ethical standards include the following:

* You may use your notes to answer assignment questions and you may *discuss* assignments content with other students as a learning tool, but ***YOU MUST NOT look at and/or copy someone else’s completed assignment.***

c. Final note on this subject: We take test security, and security of other evaluation methods, VERY SERIOUSLY at the college of nursing:

“Honesty and integrity are expected of all students and are foundational to trust in the learning environment. Dishonesty undermines nursing education and professional development, leading to demoralization of the spirit of learning among students and faculty. Developing the ability to make moral and ethical judgments is a lifelong process. Ethical violation of conduct may result in disciplinary action either by the Texas State Board of Nursing, and/or University of Texas at Arlington.”

(<http://www.uta.edu/policy/hop/stu/2/200>; <http://www.bne.state.tx.us/>)

**2. General test and assignment rules / explanations / reiterations:**

a. As mentioned before, your computer and internet connection **MUST be reliable**. There are many options to ensure complete reliability if you are not ABSOLUTELY CERTAIN about your own computer system. Examples: UTA library, other public libraries, and the UTA Learning Resource Center (LRC) on the ground floor of Pickard Hall.

b. For each exam you will be given a certain window of time that the test is available.

* + For instance, if an exam is “open” for a certain period of time, that means you MUST take the exam during that time frame and not go over the deadline date and time.
  + Once you begin a test you will be given a certain amount of time (usually around 1.7 minutes per question) to finish it. During the “open” time, you *will* be able to go back to questions that you need to “re-think” or contemplate further.
  + You are NOT allowed to print test questions, save them to your computer for personal use, or use screen shots.

c. An assignment is “homework” that is formatted like test questions, but unlike tests,

you are free to use your notes to answer the questions. Each assignment MUST be submitted by the deadlines.

**3. Missed / late exam and assignment policies / consequences:**

a. You are ***required*** to be extremely familiar with the deadlines and are responsible for

*planning ahead* for each activity. (SEE COURSE SCHEDULE)

**b. ASSIGNMENTS:**

* I have a policy of strict adherence to deadlines. ***Very few excuses will be accepted for late or unsubmitted assignments.***
* “**Acceptable excuse**” for this course: URGENT circumstances that include a *serious* personal or family illness or a personal or family emergency such as a hospitalization or death to a loved one. Written documentation is required.
* You MUST contact me by email *within 24hours past the assignment deadline* in order for an excuse to be considered for extension of due date/time.
* Note: Once the answers and rationales to the assignments have been posted, a late assignment will NOT be accepted and you will receive a ZERO.

**c. TESTS**

* As with the assignments, I have a policy of strict adherence to deadlines. ***Very few excuses will be accepted for late or unsubmitted tests.***
* “**Acceptable excuse**” for this course: URGENT circumstances that include a *serious* personal or family illness or a personal or family emergency such as a hospitalization or death to a loved one. Written documentation is required.
* You MUST contact me by email *within 24hours past the test deadline* in order for an excuse to be considered for extension of due date/time.
  + - If during the test you go over the “stop" time, the test will turn off at that time. Any unanswered questions will be counted as incorrect.

d. **COMPUTER “GLITCHES” as excuses** for test or assignment problems / issues:

* + You will be responsible for *knowing how to access Blackboard resources to try simple troubleshooting on your own. Blackboard offers many tutorials to help you with becoming more familiar with how the system works.*
  + Once you realize that a computer issue has interfered with a test or assignment submission, the first thing to do is immediately call the Help Desk and send them an email that is also copied to the instructor. *The email should detail the problem*. *It should be very clear as to how it interfered with submission of assignment or test.*
  + No more than ***ONE*** DOCUMENTED AND ACCEPTED computer glitch issue will be allowed per student per semester as an excuse for submission problems.

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**Nurs 3366-072 Pathological Processes: Implications for Nursing**

**Online Course Schedule Summer 2013**

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| **WK** | **Date**  **Sun-Sat** | | **Content, Required weekly preparation/study, and What’s due to submit.** |
| **General flow each week:**  **ALERT**:  Weeks **1-4** have the largest amount and probably most difficult material of the whole semester. You must “dive in” right away with *utmost studiousness* or you will get behind!   1. **REQUIRED:** Read Announcements, Discussion Board, & UTA emails each day. 2. **REQUIRED:** Read ***RRD*** (“Required Reading Document) of the week’s topic(s) & related documents. These are posted on Blackboard, as are Assignments, etc. 3. Not required but recommended: Read “Prep” for each topic and watch podcasts. 4. Not required but recommended: Fill in Assignment Worksheet as a tool for Assignment Submission. 5. **REQUIRED:** Weekly assignment submission(s) by due date & time. (*Late or not submitted = zero points.)* 6. Not required but recommended: Review answers and rationales of assignments when posted. 7. **REQUIRED:** During test weeks, take test by due date & time. *(Late or not submitted = zero points.)* 8. Not required but recommended: Review answers and rationales of tests when posted. | | | |
| **1** | **6/2-6/8** | **Orientation to course**:  Read the following **REQUIRED** posted documents:   * Blackboard (BB) Instructions * Syllabus * Course Overview * Course Schedule and Calendar (this document). * How-to Manual * “Required Reading Document ” (**RRD #1**): *Basic Concepts of Pathophysiology & Implications for Nursing, Genetic Influence in Disease, Intracellular Function and Disorders* * **Submit Assignment #1 by noon on Saturday 6/8.**   ***(you may submit assignments earlier, but not AFTER submission deadline.)*** | |
| **2** | **6/9-6/15** | **Read RRD #2:** *Alterations in Fluids & Solutes, Altered Cellular and Tissue Biology; Altered Cellular Proliferation*   * **Submit Assignment #2 by noon on Thursday 6/13.**   **Test 1 window opens 8AM Friday 6/14. It covers content from readings and assignments 1 & 2.** | |
| **3**  ***Note: yellow highlight = test due this particular week*** | **6/16-6/22** | * **TEST 1 WINDOW *CLOSES* 8AM MONDAY 6/17. (***Closure of a test window means “DEADLINE”).*   ***(you may submit tests earlier, but not AFTER submission deadline.)***  **Read RRD #3**: *Mechanisms of Defense: Inflammation & Immune Function & Disorders*   * **Submit Assignment #3 by noon on Thursday 6/20.** | |
| **4** | **6/23-6/29** | **Read RRD #4**: *Disorders of Hematologic System*   * **Submit Assignment #4 by noon on Thursday 6/27.**   **Test 2 window opens 8AM Friday 6/28. It covers content from readings and assignments 3 & 4.** | |
| **5** | **6/30-7/6** | * **TEST 2 WINDOW *CLOSES* 8AM MONDAY 7/1.**   **Read RRD #5:** *Alterations in the Circulatory System: Peripheral Vascular & Cardiovascular Problems*   * **Submit Assignment #5 by noon on Thursday 7/4.** | |
| **6** | **7/7-7/13** | **Read RRD #6**: *Alterations in the Pulmonary System*   * **Submit Assignment #6 by noon on Thursday 7/11.** | |
| **7**  ***drop date***  ***7/18*** | **7/14-7/20** | **Read RRD #7**: *Disorders of the Genitourinary and Renal Systems*   * **Submit Assignment #7 by noon on Thursday 7/18.**   **Test 3 window opens 8AM Friday, 7/19. It covers content from readings and assignments 5,6,7.** | |
| **8** | **7/21-7/27** | * **TEST 3 WINDOW *CLOSES* 8AM MONDAY 7/22.**   **Read RRD #8**: *Disorders of the Neurologic System*   * **Submit Assignment #8 by noon on Thursday 7/25.** | |
| **9** | **7/28-8/3** | **Read RRD #9**: *Disorders of Endocrine System*   * **Submit Assignment #9 by noon on Thursday 8/1.** | |
| **10** | **8/4-8/10** | **Read RRD #10:** *Disorders of the Gastrointestinal System*   * **Submit Assignment #10 by 8am Monday 8/5.** * **(Notice the due date change from the previous assignment pattern!!!)**   **Test 4 window opens 8AM Monday, 8/5. It covers content from readings and assignments 8,9,10**   * **(Notice the opening date change from the previous test pattern!!!)** * **TEST 4 WINDOW *CLOSES*  at noon on THURSDAY 8/8.** * **(Notice the due date change from the previous test pattern!!!)**   **Study for cumulative final exam once you have completed Test #4.**  **Final exam window opens 8AM Friday, 8/9. The final exam covers content from readings and assignments 1-10.** | |
| **11** | **8/11-8/17** | * **FINAL EXAM WINDOW *CLOSES* at noon Tuesday 8/13.** * **(Notice the due date change from the previous test pattern!!!)** | |

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**N3366 Pathological Processes: Implications for Nursing**

**OBJECTIVES**

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| Content | Learning Objectives  **STUDENT WILL DESCRIBE/DISCUSS/IDENTIFY:** |
| Basic Concepts of Pathophysiology | 1. Concepts underlying the nomenclature of physiology and pathophysiology. 2. Appropriate, general application of those concepts to disease processes and situations. |
| Genetic Influence in Disease | 1. Genetic alterations resulting in chromosomal aberrations and their relationship to disease processes such as trisomy 21 & Philadelphia-chromosome linked chronic myelocytic leukemia. 2. Genetic alterations resulting in protein synthesis defects and their relationship to disease processes such as sickle cell anemia, polycystic kidney disease, hemophilia 3. Some therapeutic uses of recombinant DNA. |
| Alterations in Fluids, Electrolytes, & Intracellular Functions | 1. The concepts of physiologic and pathophysiologic fluid shifts between the body’s fluid compartments as driven by alterations in osmolality, oncotic pressure, tonicity, hydrostatic pressure, and control mechanisms such as RAAS, natriuretic peptide system, & ADH. 2. The effect of alterations of key molecular substances such as hydrogen, sodium, potassium, chloride, calcium, phosphorous, magnesium, proteins, O2, CO2, HCO3, H2CO3, and glucose on fluid shifts and other body processes, including acid / base balance. 3. Normal cellular metabolism and its alternate states, including anaerobic metabolism and the processes of glycogenesis, glycogenolysis, and gluconeogenesis. 4. The relationship of all the above to certain disease processes and signs and symptoms (S&S), including:    * fluid overload and fluid deficit states, including SIADH & DI.    * basic states of acidosis and alkalosis.    * hyperpolarized and hypopolarized plasma membrane.    * alterations of glucose availability.    * alterations in usage of certain vitamins. |
| Altered Tissue  &  Cellular Proliferation | 1. Key aspects of normal tissue types and normal cellular life /death cycle such as differentiation & apoptosis. 2. Aspects of the cell injury process such as spectrum of injury, cell swelling, enzymatic spillage such as CK and troponin. 3. Causative factors and sequela of reversible and irreversible cellular injury such as hypoxia, ischemia, necrosis, free radicals, cellular accumulations, anemias. 4. Factors that contribute to the development and destructive properties of free radicals, effect on body cells, and counteractive therapeutic measures. 5. Causative factors, mechanism, and significance of tissue adaptation processes such as atrophy, hypertrophy, hyperplasia, metaplasia, dysplasia. 6. Causative factors in pathologic cellular proliferation, including genetic influence, infective processes, and environmental effects. 7. Nomenclature of benign versus malignant cancers, diagnostic & genetic markers, classifications, staging, and clinical significance of each. 8. Correlation of information in 1-5 above with disease processes and manifestations. |
| Mechanisms of Defense: Alterations in Inflammation & Immune Function;  Infection | 1. Basic aspects of 1st line of defense and effects of pathologies such as Sjogren’s syndrome. 2. Basic aspects of 2nd line of defense, including  * normal inflammatory processes: roles of mast cells; plasma protein acute phase reactants; biochemical mediators such as histamine, prostaglandins, leukotrienes, cytokines; clotting cascade; and phagocytes such as neutrophils and macrophages. * relationship of above processes to acute local and systemic manifestations (such as sepsis); diagnostic tests such as CRP and ESR; and basic treatment modalities. * normal and abnormal post-acute inflammatory outcomes, including resolution and repair of tissue; chronic inflammation; and sequelae of a diminished inflammatory defense system such as in phagocyte and complement deficiencies.   3. Basic aspects of 3rd line of defense, including   * normal immunocyte processes, including roles of cell-mediated and humoral systems * differences between active & passive immunity and their subcategories natural and artificial   therapeutic / preventative measures such as vaccinations & immunoglobulin therapy   * immune deficiency disorders such as AIDS and the interrelationship of * its epidemiological considerations, including prevention. * its pathophysiology, including mechanisms of action of its causative retrovirus, HIV.   diagnostic & monitoring tests, S&S, and basic treatment modalities.   * opportunistic infections such as CMV retinitis, thrush, PCP pneumonia, & Kaposi’s sarcoma, and their significance. * hypersensitivities such as * allergic reactions, including anaphylaxis. * autoimmune processes such as Graves disease, myasthenia gravis, systemic lupus erythematosus, rheumatoid arthritis, Goodpasture’s, hemolytic reactions, Type I diabetes, multiple sclerosis, celiac disease * alloimmune reactions such as blood transfusions, Rh factor incompatibility of fetuses, histocompatibility issues.   4. Concepts underlying and application of infectious disease terminology such as host, vector, pathogen, virulence, factors related to transmissibility, opportunistic, nosocomial, community-acquired, and others.  5. The interrelationships between etiology, pathophysiology, clinical manifestations, and basic treatment modalities of select infectious disorders  and sequelae such as sepsis, cellulitis, tetanus, botulism, influenza, herpes,  shingles, chicken pox, measles, mumps, rabies; malaria & other parasitic  infections; select types of infectious enterocolitis; resistant organisms such  as MRSA, VRE, and strep pneumoniae. |
| Hematologic & Lymphatic  Systems | 1. Key physiologic features of lymphatic system and their relationship to derangements such as lymphadenopathy and lymphomas. 2. Key physiologic features of hematological system & their relationship to pathological derangements:  * hematopoietic system: various anemias, polycythemias, leukemias, and splenic problems. * platelets, the clotting cascade, and the fibrinolytic system: ITP, hemophilia, von Willebrand disease, DIC, and thromboembolic disorders.   3. Correlation to clinical manifestations, diagnostic tools, and basic treatment modalities of the above pathologies. |
| Disorders of the Circulatory System | 1. DESCRIBE/DISCUSS/IDENTIFY**:** influences upon and results of appropriate, forward, effective, oxygenated blood flow through the heart and peripheral system, such as normal cardiac structure, cardiac cycle, cardiac output, preload, afterload (AKA vascular resistance), contractility, neuroelectrical status of the heart, status of peripheral vessels, perfusion of tissues. 2. Relationship between derangements of the above structural and hemodynamic processes and the etiological factors, clinical manifestations, diagnostics, and basic treatment modalities of disorders such as:    * arteriosclerosis and atherosclerosis    * peripheral arterial disease    * venous disorders    * hypertension    * coronary artery disease    * stable angina and acute coronary syndrome    * valvular disorders    * heart failure    * shock |
| Pulmonary System | 1. The relationship between key aspects of normal pulmonary function and the pathophysiology involved in:    1. select restrictive pulmonary conditions, including:       * pleural alterations such as effusion and pneumothorax       * airway & pulmonary tissue disorders such as croup, acute epiglottitis, pneumonia, pulmonary edema, tuberculosis, and bronchogenic cancer.       * vascular disorders such as pulmonary embolus.    * select obstructive pulmonary conditions, including  * asthma, chronic bronchitis, emphysema,  1. Signs and symptoms related to above pathological conditions, including significance of diagnostic test results used to evaluate and monitor pulmonary function, including peak flow test, ABGs, and V/Q computations |
| Disorders of Renal & Genitourinary Systems | 1. The relationship between key aspects of normal genitourinary function and the pathophysiology involved in select genitourinary-related conditions, including:  * female-specific disorders: endometriosis, ovarian cancer, PID, osteoclastic aspect of menopause * male-specific disorders: testicular cancer, benign prostatic hyperplasia, prostate cancer * urologic problems: urinary tract infections, obstructions such as kidney stones   2. The relationship between key aspects of normal renal function and the  pathophysiology involved in select renal conditions, including:   * hydronephrosis. * glomerulonephritis * nephrotic syndrome * acute and chronic renal failure   3. Signs and symptoms related to above pathological conditions, including  significance of diagnostic test results used to evaluate and monitor renal  and genitourinary function, such as:   * PSA * UA, BUN, creatinine, BUN / creatinine ratio, creatinine clearance  1. basic treatment modalities of the above pathologies. |
| Disorders of Neurologic System | 1. The relationship between key aspects of normal neurological function and the pathophysiology involved in select neurologically-related conditions, including:  * ophthalmic-related derangements/vocabulary * alterations in homeostasis of the CNS, including:   + principles of CPP & ICP; effect of increased ICP (IICP) & cerebral edema   + general states of altered states of consciousness & mentation such as delirium & dementia   + meningitis   + seizures.   + brain attack—ischemic, hemorrhagic.   + migraines   + Parkinson’s   + Alzheimer’s   + multiple sclerosis * alterations in homeostasis of the peripheral nervous system, including:   + myasthenia gravis  1. Signs and symptoms and basic treatment modalities associated with above pathological conditions. |
| Disorders of Endocrine System | 1. Key aspects of normal endocrine function, especially feedback systems and influences on other body systems. 2. Pathophysiology of select derangements of endocrine glands, including problems of:  * the pituitary gland, such as ACTH-related problems. * the thyroid gland, such as hyperthyroidism, hypothyroidism, calcitonin-related problems. * the parathyroid glands, such as hyperparathyroidism, hypoparathyroidism * vitamin D and calcium movement, such as osteopenia, osteoporosis * the endocrine pancreas, such as diabetes mellitus. * the adrenal glands, such as Cushing’s syndrome, hyperaldosteronism, Addison’s disease  1. Signs and symptoms related to above pathological conditions, including the significance of diagnostic test results used to evaluate and monitor endocrine function, such as TSH, T4, T3, cortisol, blood sugars, and glycosylated hemoglobin. 2. Basic treatment modalities related to altered endocrine conditions. |
| Gastrointestinal System | * 1. The relationship between key aspects of normal gastrointestinal function and pathophysiology involved in select gastrointestinal and accessory organ conditions including:      + colorectal cancer, GERD, hiatal hernia, peptic ulcer disease, intestinal obstruction, inflammatory bowel disease, diverticular disease, appendicitis, upper and lower GI bleed.      + jaundice, viral hepatitis, cirrhosis, cholelithiasis, cholecystitis, acute pancreatitis, pancreatic cancer, cystic fibrosis.   2. Signs and symptoms related to the above pathological conditions, including significance of diagnostic tests results such as hemoccult, bilirubin, amylase, lipase, liver enzymes, endoscopy, sweat test.   3. Basic treatment modalities related to altered gastrointestinal and accessory organ conditions. |

**Grade Grievances**: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current undergraduate catalog. <http://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#10>

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance**. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/ses/fao>).

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Academic Integrity:** All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

Instructors may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents’ Rule* 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University.

**PLAGIARISM:** Copying another student’s paper or any portion of it is plagiarism. Additionally, copying a portion of published material (e.g., books or journals) without adequately documenting the source is plagiarism. If five or more words in sequence are taken from a source, those words must be placed in quotes and the source referenced with author’s name, date of publication, and page number of publication.  If the author’s ideas are rephrased, by transposing words or expressing the same idea using different words, the idea must be attributed to the author by proper referencing, giving the author’s name and date of publication.  If a single author’s ideas are discussed in more than one paragraph, the author must be referenced at the end of each paragraph. Authors whose words or ideas have been used in the preparation of a paper must be listed in the references cited at the end of the paper.  Students are encouraged to review the plagiarism module from the UT Arlington Central Library via <http://library.uta.edu/plagiarism/index.html>. Papers are now checked for plagiarism and stored in Blackboard.

**Student Support Services Available**:UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Electronic Communication Policy:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**LIBRARY INFORMATION: Helen Hough**, Nursing Librarian

(817-272-7429), Email: [hough@uta.edu](mailto:hough@uta.edu)

Research Information on Nursing:

[**http://libguides.uta.edu/nursing**](http://libguides.uta.edu/nursing)

**UNDERGRADUATE**

**SUPPORT STAFF: Holly Woods, *Administrative Assistant I, Pre-nursing & Senior II***

660 Pickard Hall, (817) 272-2776 ext. 4811

Email: [hwoods@uta.edu](mailto:hwoods@uta.edu)

**Suzanne Kyle*, Administrative Assistant I, Junior I - Senior I***

661 Pickard Hall, (817) 272-0367

Email: [skyle@uta.edu](mailto:skyle@uta.edu)

**STUDENT CODE OF ETHICS:**

The University of Texas at Arlington College of Nursing supports the Student Code of Ethics Policy. Students are responsible for knowing and complying with the Code. The Code can be found in the Student Handbook.

**APA FORMAT**

*APA* style manual will be used by the UTACON with some specific requirements for the undergraduate courses. The sample title page & instructions, as well as a Manuscript Preparation document can be found in the Student Handbook which can be found by going to the following link and clicking on BSN Student Handbook: <http://www.uta.edu/nursing/bsn-program/>

**Honors College Credit:**

Students who are members of the Honors College may wish to take this course for Honors credit. If you wish to do so, please provide the Lead Teacher (or other designated faculty member) with an Honors Credit Contract (downloaded from http://honors.uta.edu/documents/credit.pdf). You and the Lead Teacher/faculty member will together determine an appropriate supplemental assignment to justify the awarding of Honors credit. If you are not in the Honors College and would like to learn more about the benefits of membership, visit the website at http://honors.uta.edu/, where you will find an application form for electronic submission.

**OBSERVANCE OF RELIGIOUS HOLY DAYS:**

Undergraduate Nursing faculty and students shall follow the University policy regarding Observance of Religious Holy Days: (<http://wweb.uta.edu/catalog/content/general/academic_regulations.aspx#6>

**NO GIFT POLICY:**

In accordance with Regents Rules and Regulations and the UTA Standards of Conduct, the College of Nursing has a “no gift” policy. A donation to the UTA College of Nursing Scholarship Fund would be an appropriate way to recognize a faculty member’s contribution to your learning. For information regarding the Scholarship Fund, please contact the Dean’s office.

***The Student Handbook can be found by going to the following link:*** <http://www.uta.edu/nursing/bsn-program/> and clicking on the link titled BSN Student Handbook.