**The University of Texas at Arlington**

**College of Nursing and Health Innovation**

**N5315 Advanced Pathophysiology**

**Spring 2018 – Sections 002, 010,011 (Off Campus)**

**Instructor:** Mary Schira PhD, RN, ACNP-BC

Associate Professor

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Office Hours**:** Wednesdays 1-3:00 pm and by appointment.

**Section Information:** NURS 5315 Sections 002, 010,011

**Time and Place of Class Meetings:** This course is offered online/off campus using the Blackboard course management system (<https://elearn.uta.edu> ).Exams are administered online using the Respondus Lockdown Browser (requires an external webcam that allows scanning of the environment prior to beginning the exam).

**Description of Course Content:** Builds on a previous understanding of anatomy and physiology and focuses on developing advanced knowledge of physiologic and pathophysiologic concepts across the lifespan.

**Student Learning Outcomes:**

1. Evaluate the impact of cellular and organ dysfunction on normal anatomy and physiologic functions.
2. Examine risk factors associated with the development of pathologies.
3. Examine the etiology, pathophysiology and manifestations of disorders across age groups.
4. Analyze the influence of genetics on the development of disorders.
5. Analyze how normal age-related variations in physiologic function may contribute to pathophysiology.

**Required Textbooks and Other Course Materials:**

American Psychological Association (2010). *Publication Manual of the American Psychological Association* (6th ed.)*.* Washington, DC: American Psychological Association. ISBN 978-1-4338-0561-5.

McCance, K. L. & Huether, S. E. (Eds.). (2014). *Pathophysiology: The Biologic Basis of Disease in Adults and Children* (7th ed.)*.* St. Louis, MO: Mosby Elsevier. ISBN 978-0-323-08854-1.

**Additional Texts (not required – supplemental):**

Kumar, V., Abbas, A.K., & Aster, J.C. (2013). *Robbins Basic Pathology*, (9th ed.). Philadelphia: Elsevier. ISBN 978-1-4377-1781-5.

McCance, K.L. & Huether, S.E. (2014) *Study Guide for* *Pathophysiology: The Biologic Basis of Disease in Adults and Children* (7th ed.)*.* St. Louis, MO: Mosby Elsevier. ISBN 978-0-323-16941-7.

**Descriptions of major assignments and examinations with due dates:** The course grade is based on 4 multiple choice exams, 2 written case studies and 1 short written paper. Please note the dates and contribution of each requirement for the course grade. Examinations are expected to be completed on the scheduled date and are administered online **during the time indicated**. **All times are Central Standard Time (CST).** Students in this section MAY NOT take the exams in the campus-based classroom. A student may request to reschedule an examination for extenuating circumstances (e.g. illness, family emergency). Work schedules, vacation, other courses, meetings, etc. are NOT extenuating circumstances for rescheduling an examination. The student must contact the faculty PRIOR TO the date/time noted for approval to reschedule an exam. A missed exam (without approval) will result in a grade of zero for the examination.

The Case Studies and Genetics paper are due on the dates noted. The assignments are submitted electronically in Blackboard. Only assignments submitted through Blackboard will be accepted. A student may request an extension for extenuating circumstances as noted above. Late assignments will be assessed a 5% penalty per day; assignments submitted more than 5 days late after the due date/time will receive a grade of zero.

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| Assignment | **Due Date** |  |
| Physiology/Pathophysiology Pretest  **(Required – not included in grade calculation)** | **Via Respondus**  **Open January 16 – 21 , 2018**  **Due by 11:59pm January 21** | 0% |
| Case Study 1 | **Wednesday, February 7, 2018**  **Due by 11:59pm** | 7.5% |
| Exam 1 | **Wednesday, February 14, 2018**  **Open 12:01am – 11:59pm** | 17.5% |
| Exam 2 | **Wednesday, March 7, 2018**  **Open 12:01am – 11:59pm** | 17.5% |
| Genetics Paper | **Wednesday, March 21, 2018**  **Due by 11:59pm** | 15% |
| Exam 3 | **Wednesday, April 11, 2018**  **Open 12:01am – 11:59pm** | 17.5% |
| Case Study 2 | **Wednesday, April 25, 2018**  **Due by 11:59pm** | 7.5% |
| Exam 4 | **Wednesday, May 9, 2018**  **Open 12:01am – 11:59pm** | 17.5% |

**Multiple Choice Examinations:** All examinations are multiple choice and will be delivered online at a distance using the **Respondus** lockdown browser with webcam monitoring. Use of the Respondus lockdown browser requires the student to show their environment and a student ID (Mav ID) at the beginning of the test. The webcam must allow the student to record a view of their desk and to do a 360 degree sweep of the room in which they are testing.

Examinations are available/open ONLY during the dates and times noted above (Due Date). Each exam will be open for a total of 90 minutes. On the week the examination is scheduled it will open on the noted date (Wednesday) at 12:01 am (CST) and will close at 11:59 pm (CST). You will not be able to sign into the exam after 11:59 pm (CST). The exam must be taken during the assigned time or a grade of zero will be assigned. Exceptions for extenuating circumstances will be evaluated by the faculty. If you need to contact Dr. Schira during an exam, you must send an email to [schira@uta.edu](mailto:schira@uta.edu).

In order to access exams you must download Respondus on your computer. I **STRONGLY RECOMMEND** that your computer be hard wired to your router or modem for all exams to decrease service interruptions that may occur with wireless connection. Loss of internet connection and inability to re-connect to the exam is not a valid reason for not completing an exam (absent extenuating circumstances). For details on installing and using the Respondus Lockdown Browser, please access: <http://www.respondus.com/lockdown/download.php?id=163943837> . Technical information is available on the Blackboard landing page (<https://elearn.uta.edu>). If you have difficulty with installation, please contact the OIT Helpdesk (817-272-2208 or [helpdesk@uta.edu](mailto:helpdesk@uta.edu) ). Support with Blackboard is also available through 24/7 Blackboard Support:

<http://bbsupport.uta.edu/ics/support/default.asp?deptID=8568>.

**Read the examination requirements noted below**. If you are unable or unwilling to follow the requirements please contact your advisor immediately to explore transfer to the on campus section of the course.

**Examination Requirements**

* + Blackboard and Respondus work best using the Firefox browser. You may use Internet Explorer or Chrome but you will likely have less technical difficulties should you choose to use Firefox. I am unable to advise you on any apple based products.
  + Respondus Lockdown Browser with video monitoring will be used to administer each test. Please make sure to download Respondus prior to taking your first test.
  + Respondus does not update automatically therefore you will need to check for updates on a regular basis. Make sure you have the most updated version of Respondus prior to each test. This will help minimize technical difficulties. A practice test is available and may be completed multiple times.
  + Make sure to update Java prior to each test. Using the most updated version of Java will help to minimize technical difficulties.
  + Plug in laptops and computers prior to starting the test.
  + The test will be video monitored. Therefore an webcam will be required to take each test.
  + A specific webcam is not required to be used, however the webcam must allow you to show your environment as stated below when prompted. An external webcam is preferred. An internal webcam in a laptop may allow for enough mobility to meet the requirement for showing your environment. An internal webcam in a desktop does not allow for the needed mobility to show your environment. In this case you will need to purchase an external webcam for use.
  + You will be asked to show your environment. When prompted please rotate the web cam to show your desk in its entirety and perform a 360 view of the room in which you are testing.
  + A photo ID is required to take the test. Your Mav ID is the preferred ID; a driver’s license may also be used. Show your ID when prompted by the system. Only your Mav ID or driver’s license are acceptable forms of identification.
  + Your photo ID must be held close enough to the camera to be read. The photo must be facing the camera. If the image of your ID is not legible you will be asked to provide an electronic copy of your Mav ID or driver’s license to verify your identity. Alternatively you will be required to show the ID to the course faculty in person. Your grade will not be released until your identify has been verified. Failure to verify your identity will result in a zero for the test.
  + Please ensure that there are no lights shining in front of the webcam. This will obscure the images taken by the webcam.
  + **Your desk must be completely clear of all materials.** Papers, pencils, pens, books, electronics, cell phones, tablets etc. are not allowed on or around your desk while taking a test.
  + Drinks are not allowed while taking a test.
  + No one else may be in the room while you are taking a test.
  + **Once you have started a test you are not allowed to leave your desk.** You must complete and submit the test prior to leaving your desk. Extenuating circumstances must be communicated immediately to your course faculty.
  + Talking is prohibited.
  + The use of any electronics is strictly prohibited.
  + Hats may not be worn while taking a test.
  + If you are kicked out of an exam, close your browser down completely, reopen it, and log back into Respondus lockdown browser to continue taking the test.

**Any violation in the above rules may result in any and all of the following:**

* + **A point deduction up to and including a grade of zero on the respective test.**
  + **The student may be reported to The Office of Student Conduct. If The Office of Student Conduct determines the reported student has participated in academic dishonesty the consequences may include any or all of the following: a test score of zero, course failure, probation, suspension or expulsion from the university.**

**Attendance Policy:** At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator in student success. Each faculty member is free to develop his or her own methods of evaluating students’ academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, I will not take attendance nor “track” the number of times the student accesses the course. Students are responsible for all content provided/covered during class meetings and posted online including information shared in the Discussion Boards.

**Other Requirements:** Course lectures will be supplemented with handout information available in Blackboard (e.g. powerpoint slides). Students are responsible for having access to handouts.

No clinical hours are required for this course.

**Grading Policy:** Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels. Exam grades will be posted in Blackboard following item review and test analysis.

Course Grading Scale

A = 90 to 100

B = 80 to 89

C = 70 to 79

D = 60 to 69

F = below 60

**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 University Catalog: [http://catalog.uta.edu/academicregulations/grades/#graduatetext](http://catalog.uta.edu/academicregulations/grades/#graduatetextb) . Information regarding student complaints made be found at <http://www.uta.edu/deanofstudents/student-complaints/index.php>.

**Late Assignments:** Late assignments (Case Studies, Genetics Paper) will be assessed a 5% penalty per day; assignments submitted more than 5 days after the due date/time will receive a grade of zero. A missed exam will result in a grade of zero for the examination.

**Make up Exams:** Please contact the faculty.

**Test Reviews:** Test reviews are done on an individual basis and must be scheduled with the faculty.

**Expectations of Out-of-Class Study:** Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least a minimum of an additional 9-15 hours per week on their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

**Drop Policy:** Graduate students who wish to change a schedule by either dropping or adding a course must first consult with a Graduate Academic Advisor @ [MSNAdvising@uta.edu](mailto:MSNAdvising@uta.edu).

Regulations pertaining to adding or dropping courses are described below. Adds and drops may be made through late registration either on the Web at MyMav or in person through the student’s academic department. 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. Contact the Office of Financial Aid and Scholarships at <http://www.uta.edu/fao/>  .  The last day to drop a course is listed in the Academic Calendar available at <http://www.uta.edu/uta/acadcal.php?session=20176>

1.      A student may not add a course after the end of late registration.

2.      A student dropping a graduate course after the Census Date but on or before the last day to drop may, receive a grade of W. **Students dropping a course must**:

  Contact a graduate academic advisor ([MSNadvising@uta.edu](mailto:MSNadvising@uta.edu)) to obtain the drop form and further instructions before the last day to drop.

**Census Day:  January 31, 2018**

**Last day to drop or withdraw – March 30, 2018 by 4:00 p.m.**

**Last day of classes – May 4, 2018**

**Final Exams – May 5-11, 2018**

**Disability Accommodations:**  UTArlington 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), The Americans with Disabilities Amendments Act (ADAAA),* and *Section 504 of the Rehabilitation Act.* 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 disability.

Students are responsible for providing the instructor with official notification in the form of **a letter certified** by the Office for Students with Disabilities (OSD).Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

**The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364. 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).

**Counseling and Psychological Services, (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**Non-Discrimination Policy:** *The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit*[*uta.edu/eos*](http://www.uta.edu/hr/eos/index.php)*.*

**Title IX Policy:** The University of Texas at Arlington (“University”) is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated.*For information regarding Title IX, visit* [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or [jmhood@uta.edu](file:///C:\Users\olivier\AppData\Local\Temp\jmhood@uta.edu).

**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.*

UT Arlington faculty members 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 the University policy, which may result in the student’s suspension or expulsion from the University. Additional information is available at <https://www.uta.edu/conduct/>.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

As a licensed registered nurse, graduate students are expected to demonstrate professional conduct as set forth in the **Texas Board of Nursing rule** **§215.8. In the event that a graduate student holding an RN license is found to have engaged in academic dishonesty, the college may report the nurse to the Texas BON using rule §215.8 as a guide.**

**Plagiarism:** Copying another student’s paper or any portion of it is plagiarism. Copying a portion of published material (e.g., books or journals) without adequately documenting the source is plagiarism. Consistent with APA format, 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, according to APA format. 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 expected to review the plagiarism module from the UT Arlington Central Library via <http://library.uta.edu/plagiarism/index.html>

**Student Support Services**: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](http://www.uta.edu/universitycollege/current/academic-support/learning-center/tutoring/index.php), [major-based learning centers](http://www.uta.edu/universitycollege/resources/college-based-clinics-labs.php), developmental education, [advising and mentoring](http://www.uta.edu/universitycollege/resources/advising.php), personal counseling, and [federally funded programs](http://www.uta.edu/universitycollege/current/academic-support/mcnair/index.php). 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 <http://www.uta.edu/universitycollege/resources/index.php>.

**The IDEAS Center (**2nd Floor of Central Library) offers **FREE** tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in, or check the schedule of available peer tutors at [www.uta.edu/IDEAS](http://www.uta.edu/IDEAS) , or call (817) 272-6593.

**The English Writing Center (411LIBR)**: The Writing Center offers **FREE** tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at <https://uta.mywconline.com>. Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see [www.uta.edu/owl](http://www.uta.edu/owl) for detailed information on all our programs and services.

The Library’s 2nd floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library’s hours of operation. <http://library.uta.edu/academic-plaza>

**Student Success Faculty:** In order to assist masters nursing students who are at academic risk or who need academic support, there are graduate faculty members available to you. The goal of the success faculty members is to support student achievement in masters-level coursework so students can reach their educational goals. Students may contact a success faculty member directly, or a course instructor may encourage you to contact a success faculty member.

**The success faculty in the MSN Program**:

Dr. Donelle Barnes is available as a writing coach to assist students in the MSN Core courses; theory, research, and evidence based practice. Since these courses are writing intensive, Dr. Barnes can help students improve the clarity and organization of their written papers. She can be reached via email: [donelle@uta.edu](mailto:donelle@uta.edu).

Dr. Mary Schira is available as a success faculty to assist with diverse resources that may include study skills, testing challenges/approaches, managing multiple responsibilities, and addressing personal issues impacting academic performance.   Course content challenges may also be addressed, with referral to additional resources as indicated.  Dr. Schira can be reached via email:  [schira@uta.edu](mailto:schira@uta.edu).

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**Electronic Communication:** 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>.

If you are unable to resolve your issue contact the Helpdesk at [helpdesk@uta.edu](mailto:helpdesk@uta.edu).

**Student Feedback Survey:** At the end of each term, students enrolled in face-to-face and online classes categorized as “lecture,” “seminar,” or “laboratory” are directed to complete an online 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 via the SFS database is aggregated with that of other students enrolled in the course. Students’ anonymity will be protected to the extent that the law allows. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law and aggregate results are posted online. Data from SFS is also used for faculty and program evaluations. For more information, visit <http://www.uta.edu/sfs>.

**Final Review Week:** For semester-long courses**,** a period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Librarians to Contact:**

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| Peace Williamson  817-272-6208  [peace@uta.edu](mailto:peace@uta.edu) | Lydia Pyburn  817-272-7593  [llpyburn@uta.edu](mailto:llpyburn@uta.edu) | Heather Scalf  817-272-7436  [scalf@uta.edu](mailto:scalf@uta.edu) |

Contact all nursing librarians:

[library-nursing@listserv.uta.edu](mailto:library-nursing@listserv.uta.edu)

**Helpful Direct Links to the UTA Libraries’ Resources**

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| **Research Information on Nursing** | [**http://libguides.uta.edu/nursing**](http://libguides.uta.edu/nursing) |
| **Library Home Page** | <http://library.uta.edu/> |
| **Subject Guides** | <http://libguides.uta.edu> |
| **Ask us** | <http://ask.uta.edu> |
| **Database List** | <http://libguides.uta.edu/az.php> |
| **Course Reserves** | <http://pulse.uta.edu/vwebv/enterCourseReserve.do> |
| **Library Catalog** | <http://uta.summon.serialssolutions.com/#!/> |
| **E-Journals** | <http://pulse.uta.edu/vwebv/searchSubject> |
| **Library Tutorials** | [library.uta.edu/how-to](http://library.uta.edu/how-to) |
| **Connecting from Off- Campus** | <http://libguides.uta.edu/offcampus> |
| **Academic Plaza Consultation Services** | [library.uta.edu/academic-plaza](http://library.uta.edu/academic-plaza) |
| **Study Room Reservations** | [openroom.uta.edu/](http://openroom.uta.edu/) |

For help with APA formatting, you can go to:

1. <http://libguides.uta.edu>
2. Scroll down and click on “Nursing”
3. Click on “APA Guide” for advice on various aspects of paper writing.  This is a short-cut for the APA Manual.  When in doubt, refer to the Manual.

**NURS 5315 Advanced Pathophysiology Spring 2018**

**Sections 002, 010, 011 Course Schedule**

**Course Schedule. The class schedule and topics addressed in NURS 5315 Advanced Pathophysiology are below. Handouts, powerpoint slides and links to recorded lectures are posted in “Course Materials” in Blackboard according to the week of the course and topic. All lectures are recorded and available Monday of the course week. Recorded lectures are generally viewed best using the Firefox browser. You may use Explorer or Google Chrome, but are less likely to have technical difficulties using Firefox. I am unable to provide recommendations on apple based products.**

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| **Week of Class in Blackboard**  **(Calendar week)** | **Topic – Systems-related Pathophysiology** | **Required Reading** |
| Week 1  January 15 | Orientation to Course  **Physiology/Pathophysiology Pretest**  **Respondus – Open Tuesday January 16 through Sunday January 21**  **Due by Sunday January 21 11:59pm**  Perspectives – Altered Cellular Biology (self-study questions posted in Blackboard) | Course Syllabus  McCance & Huether, Ch. 2 |
| Week 2  January 22 | Altered Cellular Biology – Overall concepts  Fluid Homeostasis and Dynamics  Acid-Base Balance and Pathophysiology | McCance & Huether, Ch. 2  McCance & Huether, Ch. 3 |
| Week 3  January 29 | Immune System - Inflammation | McCance & Huether, Ch. 9 |
| Week 4  February 5 | Biology of Cancer  Hematopoietic System; Hemostasis  **Case Study #1 Due February 7 11:59pm** | McCance & Huether, Ch. 12 & 14  McCance & Huether, Ch. 28-30 |
| Week 5  February 12 | **EXAM 1 Wednesday February 14**  **Respondus - Open 12:01am – 11:59pm**  Genetic Influences | McCance & Huether, Ch. 4 |
| Week 6  February 19 | Cardiovascular System | McCance & Huether, Ch. 32-33 |
| Week 7  February 26 | Kidney, Urology Systems | McCance & Huether, Ch. 38-39 |
| Week 8  March 5 | **EXAM 2 Wednesday March 7**  **Respondus - Open 12:01am – 11:59pm**  Infection | McCance & Huether, Ch. 10 |
| Week 9  March 12 | **Spring Break** |  |
| Week 10  March 19 | Neurologic System  **Genetics Paper Due** **March 21 11:59pm** | McCance & Huether, Ch. 17-18, 20. |
| Week 11  March 26 | Endocrine System  Obesity | McCance & Huether, Ch. 22  McCance & Huether, Ch. 41: pgs. 1447-1450 |
| Week 12  April 2 | Pulmonary System | McCance & Huether, Ch. 35-36. |
| Week 13  April 9 | **EXAM 3 Wednesday April 11**  **Respondus - Open 12:01am – 11:59pm**  Shock States | 24  McCance & Huether, Ch. 48-49 |
| Week 14  April 16 | Reproductive System | McCance & Huether, Ch. 24-25 |
| Week 15  April 23 | Gastrointestinal System (including liver)  **Case Study #2 Due April 25 11:59pm** | McCance & Huether, Ch. 41-42 |
| Week 16  April 30 | Musculoskeletal System | McCance & Huether, Ch. 44-45 |
| **May 9** | **EXAM 4 Wednesday May 9**  **Respondus - Open 12:01am – 11:59pm** |  |

*As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – Mary Schira, PhD, RN, ACNP-BC*

**NURS 5315 Advanced Pathophysiology**

**Genetics Paper – Spring 2018**

**DUE: March 21, 2018**

**Purpose**: To provide an opportunity to explore the genetic transmission and resulting pathophysiology of a specific disease/disorder of interest to the Advanced Practice Nurse student.

**General Guidelines**: Select a disorder/disease state that is a result of a genetic alteration. This is a formal paper, formatted and referenced per APA guidelines. The paper should be no more than 3 pages (excluding title page and references). Include a minimum of 3 references - the McCance & Huether text is a starting point and IS **NOT** included in the 3 references and may not be included in citations. The paper must be submitted via Blackboard (specific instructions for how/where to submit will be provided separately); papers not submitted via Blackboard will not be graded. **Papers submitted after the due date of March 21 will be assessed a 5 pt. penalty for each day the paper is late** (unless a revised date is negotiated with the faculty). **Papers will not be accepted for grading or feedback if more than 5 days late and will receive a grade of zero.**

**Guidelines/Grading Criteria**

I. State why the specific genetic disorder was chosen for the paper. \*\*Please note that in this section use of a personal pronoun is acceptable to state why the topic was selected.\*\* (5 pts)

II. Describe the genetic disease/disorder, including incidence and prevalence across genders and ethnic groups, and specific populations/ages at risk. Include the specific gene/locus affected and patterns of transmission (e.g. parent to child; affected individual to their children), and risk of transmission each pregnancy. (20 pts)

III. Explain how the genetic defect alters normal physiology and how the genetic alteration manifests. (35 pts)

IV. Describe how the genetic alteration is diagnosed and tested. (10 pts)

V. List 3 teaching points to provide a patient/family regarding the genetics of the disease/alteration. May include genetic transmission, counseling, resources available, life expectancy, etc***. Does not include manifestations, therapy, treatment options.*** (15 pts)

VI. Present information in a scholarly manner (clear, grammatically correct) and reflect synthesis of information from sources. Use APA format for headings, citations and references. Conforms to 3 page length. (15 pts)

**College of Nursing and Health Innovation - Additional Information**

**Status of RN Licensure:** All graduate nursing students must have an unencumbered license as designated by the Texas Board of Nursing (BON) to participate in graduate nursing courses. It is also imperative that any student whose license becomes encumbered by the BON must immediately notify the Associate Dean- Department of Graduate Nursing. The complete policy about encumbered licenses is available online at: [www.bon.state.tx.us](http://www.bon.state.tx.us)

**Ebola exposure**: Please inform your faculty if you have been in contact with anyone who has Ebola/have traveled to a country that has Ebola virus. **In addition, please be sure to update the Ebola exposure requirement in Castle Branch the beginning of each semester.**

**Graduate Student Handbook:** Students are responsible for knowing and complying with all policies and information contained in the Graduate Student handbook online at: <http://www.uta.edu/conhi/students/policy/index.php>

**Student Code of Ethics:** The University of Texas at Arlington College of Nursing and Health Innovation 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 online: <http://www.uta.edu/conhi/students/msn-resources/index.php>

**No Gift Policy:** In accordance with Regent Rules and Regulations and the UTA Standards of Conduct, the College of Nursing and Health Innovation has a “no gift” policy. A donation to one of the UTA College of Nursing and Health Innovation Scholarship Funds, found at the following link: is <http://www.uta.edu/conhi/students/scholarships/index.php> would be an appropriate way to recognize a faculty member’s contribution to your learning.  For information regarding Scholarship Funds, please contact the Dean’s office.

**Online Conduct:** The discussion board should be viewed as a public and professional forum for course-related discussions. Students are free to discuss academic matters and consult one another regarding academic resources. The tone of postings should be professional in nature.

It is not appropriate to post statements of a personal or political nature, or statements criticizing classmates or faculty. Inappropriate statements/language will be deleted by the course faculty and may result in denied access to the Discussion boards. Refer to UTACON Graduate Student Handbook for more information.

**Emergency Phone Numbers**: In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911. For non-emergencies, call 817-272-3381.

**Graduate Nursing Support Staff**

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| **Graduate Advisors**  [msnadvising@uta.edu](http://www.uta.edu/conhi/students/advising/nursing-grad.php) |