**The University of Texas at Arlington**

**College of Nursing and Health Innovation**

**N5315 Advanced Pathophysiology**

**Spring 2016 – Section 004 (On Campus)**

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

 Associate Professor

Office Number: Room 622 Pickard Hall

Office Telephone Number: 817-272-7337

Email Address: schira@uta.edu

Faculty Profile: <http://www.uta.edu/profiles/mary-schira>

Office Hours**:** Wednesdays 1-4pm and by appointment.

**Section Information:** NURS 5315 Section 004

**Time and Place of Class Meetings:** Pickard Hall - Room 212; Wednesday 4:00 – 6:50 pm.

**Description of Course Content:** This course focuses on developing an advanced knowledge base of pathophysiology across the lifespan. Principles of biochemistry, molecular biology and nutrition are applied to disease processes.

**Other Requirements:** The course will be offered using blended online/on campus strategies. Students are expected to review information posted online in Blackboard (<https://elearn.uta.edu>) and complete readings prior to class meetings. Class meetings will be supplemented with handout information available in Blackboard (e.g. powerpoint slides). Students are responsible for having access to handouts during class.

**Student Learning Outcomes:**

1. Apply knowledge of normal physiology and pathologic alterations across the life span that are expressed as diseases of organs and systems.
2. Use knowledge of environmental factors that influence genetically linked diseases.
3. Examine life-style measures associated with the prevention, restoration, and/or modification of disease processes.
4. Synthesize current research findings with evidenced-based guidelines for the management of selected diseases.

**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.

Seller, H. S. & Symons, A. B. (2012). *Differential Diagnosis of Common Complaints* (6th ed.)*.* Philadelphia, PA: Elsevier Saunders. ISBN 978-1-4557-0772-0.

**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 3 multiple choice exams 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 on campus during the time indicated. Students in this section MAY NOT take the exams online. 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 grad of zero for the test.

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

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| Assignment | Due Date |  |
| Exam 1 | February 174:30- 6:30pm | 30% |
| Exam 2 | March 234:30- 6:30pm | 30% |
| Genetics and Pathophysiology Paper | April 6 | 10% |
| Exam 3 | May 11 4:30- 7:00pm | 30% |

**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 – generally no later than 1 week following completion of the exam.

Course Grading Scale

A = 90 to 100

B = 80 to 89

C = 70 to 79

D = 60 to 69 – cannot progress

F = below 60 – cannot progress

**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) .

**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 an additional 15-20 hours per week on their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

**Attendance Policy:** Students are strongly encouraged to attend each class. Attendance is not required and attendance is not taken. Students are responsible for all content provided/covered during class meetings.

**Drop Policy:** Graduate students who wish to change a schedule by either dropping or adding a course must first consult with their Graduate Advisor. 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=20161>.

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:

(a)  Contact your graduate advisor to obtain the drop form and further instructions before the last day to drop.

**Census Day: February 3, 2016**

 **Last day to drop or withdraw: April 1, 2016 by 4:00pm**

**Americans with Disabilities Act:**  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).** 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)**  <http://www.uta.edu/disability/>or calling 817-272-3364.

**Counseling and Psychological Services, (CAPS)**  <http://www.uta.edu/caps/> or calling 817-272-3671.

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 <http://www.uta.edu/disability/> or by calling the Office for Students with Disabilities at (817) 272-3364.

**Title IX:** 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). For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).

**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.

"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, 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, or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**The English Writing Center (411LIBR)**: Hours are 9 am to 8 pm Mondays-Thursdays, 9 am to 3 pm Fridays and Noon to 5 pm Saturdays and Sundays. Walk In ***Quick Hits*** sessions during all open hours Mon-Thurs. Register and make appointments online at [http://uta.mywconline.com](http://uta.mywconline.com/).

**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.

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.

**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.

**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>.

**Final Review Week:** 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.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

This class meets in Pickard Hall Room 212. In an emergency, students should leave the classroom by the rear doors and exit the building through the stairways to the right or left.

**Librarians to Contact:**

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| Peace Williamson 817-272-6208peace@uta.edu | Lydia Pyburn 817-272-7593llpyburn@uta.edu | Heather Scalf817-272-7436scalf@uta.edu | Kaeli Vandertulip817-272-5352Kaeli.vandertulip@uta.edu |

Contact all nursing librarians:

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> |
| **Chat with the Library**  | <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**  | <http://www.uta.edu/library/help/tutorials.php> |
| **Connecting from Off- Campus**  | <http://libguides.uta.edu/offcampus> |

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>.

**Course Schedule. Note: Additional materials for class will be posted prior to the class meeting.**

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| **Class Meeting** | **Topic – Systems-related Pathophysiology**  | **Required Reading** |
| January 20 | Orientation to CoursePerspectives – Altered Cellular Biology | Course SyllabusMcCance & Huether, Ch. 2 |
| January 27 | Altered Cellular BiologyFluids, Electrolytes, Acid-BaseGenetic Influences | McCance & Huether, Ch. 2McCance & Huether, Ch. 3McCance & Huether, Ch. 4 |
| February 3 | Immune System - Inflammation, Infection | McCance & Huether, Ch. 9-10Seller & Symons, Ch. 7 & 15 |
| February 10 | Biology of CancerHematopoietic System; Hemostatis | McCance & Huether, Ch. 12 & 14McCance & Huether, Ch. 28-30 |
| February 17 | **EXAM 1****4:30 – 6:30 PM** |  |
| February 24 | Cardiovascular SystemLymphatic System | McCance & Huether, Ch. 32-33Seller & Symons, Ch. 6 & 27 |
| March 2 | Pulmonary System | McCance & Huether, Ch. 35-36Seller & Symons, Ch. 9 & 28 |
| March 9 | Neurologic System | McCance & Huether, Ch. 17-18, 20. Seller & Symons, Ch. 16, 17 |
| **Recorded class** | Psychobiology; Psycho-pathophysiologyEating Disorders | McCance & Huether, Ch. 19McCance & Huether, Ch. 41: pg. 1450 |
| March 16 | **SPRING BREAK** |  |
| March 23 | **EXAM 2****4:30 – 6:30 PM** |  |
| March 30 | Endocrine SystemObesity | McCance & Huether, Ch. 22McCance & Huether, Ch. 41: pgs. 1447-1450 |
| April 6 | **GENETICS PAPER DUE**Kidney, Urology Systems  | McCance & Huether, Ch. 38-39Seller & Symons, Ch. 32 & 35 |
| April 13 | Gastrointestinal System, including Liver | McCance & Huether, Ch. 41-42Seller & Symons, Ch.1, 2, 10, 22 |
| April 20 | Shock StatesReproductive System  | McCance & Huether, Ch. 48-49McCance & Huether, Ch. 24-26Seller & Symons, Ch. 20, 32, 33 |
| April 27 | Musculoskeletal SystemIntegumentary System | McCance & Huether, Ch. 44-45McCance & Huether, Ch. 46-47Seller & Symons, Ch. 29 |
| May 4 | **NO CLASS** |  |
| May 11 | **EXAM 3****4:30 – 7:00 PM** |  |

*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 2016

**DUE: April 6, 2016**

**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. The paper should be no more than 3 pages (excluding title page and references) and follow APA format. Include a minimum of 3 references - the McCance & Huether text is a starting point and IS NOT included in the 3 references. 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 December 1 will be assessed a 5 pt. penalty for each day the paper is late** (unless a revised date is negotiated with the faculty).

**Guidelines/Grading Criteria**

I. Identify and describe a genetic disease/disorder, including incidence and prevalence and specific populations/ages at risk. (10 pts)

II. Describe the genetic alteration – including the specific gene/locus affected and patterns of transmission (e.g. parent to child; affected individual to their children). Include how the genetic alteration is diagnosed and tested. (25 pts)

III. Describe how the genetic defect alters normal physiology and how the genetic alteration manifests. (40 pts)

IV. Provide 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 therapy, treatment options. (15 pts)

V. Present information in a scholarly manner (clear, grammatically correct), using APA format for citations and references. (10 pts)

**UTA 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 clinical 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 Certified Background 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/nursing/msn/msn-students>

**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/nursing/msn/msn-students>

**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/nursing/student-resources/scholarship> 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.

**Department of Graduate Nursing**

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| **Judy LeFlore, PhD, RN, NNP-BC, CPNP-PC & AC, ANEF, FAAN**Associate DeanChair, Graduate Nursing ProgramsDirector, PNP, ACPNP, NNP ProgramsPickard Hall Office #518Email address:  jleflore@uta.edu | **Kathy Daniel, PhD, RN, ANP/GNP-BC, AGSF**Associate Chair, Graduate Nurse Practitioner ProgramsPickard Hall Office #615817-272-0175Email address: kdaniel@uta.edu |
| **Lauri John, PhD, RN, CNS**Associate Chair, Graduate Educator and Administration ProgramsPickard Hall Office #519817-272-0172Email address: ljohn@uta.edu | **Rose Olivier**Administrative Assistant IPickard Hall Office # 605(817) 272-9517Email address: olivier@uta.edu |
|  **Janyth Mauricio (Arbeau)**Clinical CoordinatorPickard Hall Office # 610(817) 272-0788Email address:  janyth.mauricio@uta.edu ornpclinicalclearance@uta.edu | **Angel Trevino-Korenek**Clinical CoordinatorPickard Hall Office # 610(817) 272-6344Email address:  angel.korenek@uta.edu |
| **Janette Rieta**Administrative Assistant – NADM, NEDUPickard Hall #510817-272-1039jrieta@uta.edu | **Christina Gale**Support Specialist I (Assisting Vivian and Rose)Pickard Hall Office #510817-272-1039Email address:  christina.gale@uta.edu |

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| **Graduate Advisors:** |
| **Campus-based Programs:****NP Students with last Name A-L and Post MSN Certificate NP Program Students:**Sheri Decker, Graduate Advisor IIIPickard Hall Office # 611(817) 272-0829Email: s.decker@uta.edu  | **Campus-based Programs:****NP Students with Last Name M-Z and ALL NNP Program Students:**Luena Wilson, Graduate Advisor IPickard Hall Office # 613(817) 272- 4798Email: lvwilson@uta.edu |
| **Off –campus (AP) ADM/EDU/FNP** **Students with last name A-L**Lisa Rose, Graduate Advisor IIPickard Hall Office #628-B817-272-9087Email:  lirose@uta.edu | **Off –campus (AP) ADM/EDU/FNP Students  with last name M-Z**Caitlin Wade,Graduate Advisor IIPickard Hall Office #631817-272-9397Email:  cwade@uta.edu |