THE UNIVERSITY OF TEXAS AT TYLER COLLEGE OF NURSING AND HEALTH SCIENCES

NURS 5350

ADVANCED PATHOPHYSIOLOGY

Course Syllabus

Spring, 2016

Course Faculty:

Linda L. Rath, PhD, RN

NURS 5350: ADVANCED PATHOPHYSIOLOGY

FACULTY CONTACT INFORMATION

Name: Linda L. Rath, PhD, RN
Office: BRB 120
Office hours: M-F; On-line, and by appointment
E-mail: lrath@uttyler.edu
Phone: 903.565.5526
Fax: 903.566.1981

COURSE DESCRIPTION

NURS 5350 focus is on pathological conditions encountered in clinical practice across the life span of clients. Emphasis is placed on regulatory and compensatory mechanisms as they relate to commonly occurring diseases. Course fee and extended computer access fee required.
Course Credit and Clock Hours: 3 credit hours
Placement in Curriculum: Foundation course. No prerequisites.

COURSE OUTCOMES

Upon successful completion of the course, the student will be able to:
1. Identify regulatory and compensatory mechanisms as they relate to commonly occurring diseases.
2. Integrate pathophysiologic concepts of disease in assessment of clients across the life span.
3. Apply pathophysiologic concepts of disease to the management of commonly occurring conditions across the life span.

COURSE TOPICS

- Principles of Cellular Biology; Cancer
- Genetics; Stress Response
- Inflammatory Process
- Infection
- Innate Immunity: Inflammation; Adaptive Immunity
- Cardiovascular
- Lymphatic disorders
- Endocrine and Metabolic
- Respiratory
- Mental Health; Addictions; Pain; Temperature; Sleep; Sensory
- Neurologic diseases.
- Musculoskeletal; Dermatology
- Gastrointestinal
- Renal and urinary tract
- Reproductive

TEXTBOOK(S)

Required Text:
McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S. (2014). Pathophysiology: The biologic basis for disease in adults and children (7th ed.). Maryland Heights, MO: Mosby. ISBN

Recommended Texts:
American Psychological Association [APA]. (2010). Publication manual of the American Psychological Association (6th ed.). Washington, D.C.: American Psychological Association.
Hogan, M. A., Bower, M., Hill, K., & Holm, K. S. (2008). Pathophysiology: Reviews & rationales (2nd Ed.). Upper Saddle River, NJ: Pearson. ISDN: 978-0-13-1789732-2.
   Some students who do not have a strong pathophysiology background have found the Hogan text very helpful to read first and then read the text.
McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S. (2015). Pathophysiology: The biologic basis for disease in adults and children study guide (7th ed.). Maryland Heights, Mo: Mosby. ISDN:

The content of this syllabus or web-based course is subject to change at the discretion of the faculty according to current learning needs. Therefore it is wise to review assigned readings and assignments on DB at the beginning of each week for possible updates. Notify the faculty immediately if there are issues that would delay submission of assignments.

TEACHING STATEGIES

Content and illustrations are available on Blackboard. Ongoing asynchronous discussions are held using the discussion board of the class website. Questions and information sharing among faculty and students are encouraged and there is a discussion area for questions that are not private in nature. Questions regarding grades or other private matters are better addressed in an individual communication, such as email. All questions from students to faculty will be answered in 24 hours except on weekends and holidays. Weekends questions will be answered by Monday at 8pm.

GRADING, EVALUATION, AND OTHER GRADE RELATED POLICIES

Course Grading Scale:
A   100 – 90
B   80-89
C   79 – 75
D   74 – 65
F   64 - 0

The final grade will be determined as follows:

Four Exams @ 15% each	**60%**
Final Exam @ 15%	**15%**
Discussion Board (contributions to 10 of the weekly threads)	**10%**
PowerPoint Presentation	**15%**
Discussion Board	**5%**
	Total: 100%

<u>**One PowerPoint presentation**</u> with notes and references (see rubric in assignment tab):
PowerPoint Presentation:
      Each student will select one topic from the list provided in the **assignment section** of Blackboard. Each presentation has its own deadline, so in selecting your topic you are also selecting your presentation due date. PowerPoint presentations should be in PowerPoint 95 or higher format. All submitted written material (papers, assignments, examinations, etc.) are the property of the College of Nursing and will be maintained in an archived file.

COURSE PROCEDURES

Scheduling:
Students are expected to progress through the course according to the posted schedule.

Examination Procedure:
Examinations will be available online during the time periods given in the course schedule.

Examinations must be completed during the allotted time. Examination announcements and links will be posted on the class website. Each student will be given one opportunity to take the exam over a 90 minute hour period. Use of reference materials or outside help while taking the exam is prohibited; doing so will result in an automatic zero. Questions are multiple choice and matching format. No copies may be made of the exam. If for any reason you will be unable to complete the examination or lose your internet connection during the designated testing time period, you should contact your faculty member immediately. An email will work, since I monitor exam progress at intervals during the testing dates.

Discussion Board (DB):
Weekly discussion topics are posted. Discussion Board is considered a significant part of the learning experience and not a casual "chat" or "add on." Students are expected to monitor discussions at least two to three times weekly. **Grading will be based upon the posting of at least 10 complete discussion contributions** during the course. A complete posting consists of one original post with at least one reference. Only one complete posting per week will be given credit. Once a student has satisfactorily completed 10 postings, completion of the remaining posting is optional. It may be wise to consult with faculty to ensure that 10 complete postings have been achieved.
- Credit for DB will be awarded for meaningful responses, including but not limited to new ideas, current research and information, and questions to the discussion threads. All information and quotations must be cited from current literature and provided in APA format.
- *The close of DB for a particular module is midnight on the Sunday following the last day of the module.* For example, if Module 1 is posted for a certain week, (usually a Monday through Friday), then the DB will close the following Sunday at midnight, (two days later).
- All submitted written material (papers, assignments, examinations, etc.) are the property of the College of Nursing. They will be maintained in an archived file at the College of Nursing**.** <u>**Postings past the deadline will not be counted.**</u>

Course Feedback and Instructor Presence
Since this course is offered 100% online, instructor presence will be in that format, as well. Instructors will participate in discussion boards several times weekly. Should a student desire contact with an instructor, please first post a question/comment directly to the Course Questions forum on discussion board. If the question is of a more sensitive nature, please feel free to email, text, or even call the instructor using the contact information located on page 2 of this document.
Course feedback will consist of discussion board comments, as well as personal emails to the students. Instructors will attempt to contact students with failing grades as early in the course as possible, in order to make a plan for intervention or assistance. If personal contact with an instructor/student is

desired by either party, an appointment can be made for the student to come to campus to meet with faculty face-to-face, or a Zoom online video conference may be scheduled.

Late Assignments:
Late presentations will be assessed <u>10% penalty daily</u> including weekends. This applies to all discussion board postings in the course. If you know you will need more time to complete an assignment due to extenuating circumstances, let your faculty know immediately.

Written Assignments
- All written assignments are to be completed in Microsoft Word and submitted in a timely manner. Deadlines are listed in the Course Schedule.
- Please note that all written assignments must be submitted by midnight Central Standard Time on the due date.
- All written assignments should be submitted through the assignment links. If your web connection is down for some reason, please contact me by phone to make arrangements to get the assignment submitted within the posted time constraints

Assignments/Projects Turn-In Process
All assignments and projects will be submitted through the assignments link of Blackboard. Use the following process to prepare and submit assignments:
- Prepare your assignment using Microsoft Word. Name your assignment with the following convention: last name first initial, assignment title (ex. LastF_Assignmenttitle)
- Click on "View/Complete Assignment" in the assignments overview area or project area
- Number 1-shows the assignment instructions
- Number 2-is where you add your comments and attach your completed assignment
- Number 3-when all attached files (your completed assignment files) are uploaded, click submit

When written assignments are received, I will open them in Microsoft Word for grading using the "track changes feature." This will enable me to make comments, ask questions, etc. I will then return your assignment through the Student Gradebook area. I will make an announcement when papers are returned to remind you to check the Student Gradebook. To see comments about your assignment, click on your grade. If you use an alternative to written assignments, the work will be viewed and graded using the Criteria sheet which will be returned through the Student Gradebook area of Blackboard.

If you need more instructions on how to submit files through the assignment link, please read the Blackboard Student Manual located in the Tools area.

Email
To communicate by email within the course with other participants or all participants, click the Communications link on the left side of the Blackboard frame. Click Send E-mail to send a message. You are able to send messages to All Users or Select Users in the course, including the instructor. If you need more instructions on how to send email messages with Blackboard please read the student manual located in the Resources area of the course.

- The course email for faculty is lrath@uttyler.edu.

Questions or problems other than technical problems (see Technical Requirements in this Syllabus) may be submitted to the email address above.

Grade Distribution:
You may check your grades at any time on the Blackboard website. Feedback on assignments will be provided via the Blackboard Website or email. You should not consider the grade you see accumulating on Blackboard as your final grade until the official posting of grades has been completed.

Academic Integrity:
Students are expected to assume full responsibility for the content and integrity of all academic work submitted as assignments and examinations. *Plagiarism is a serious academic offense. Please avoid the consequences of academic dishonesty by citing all sources that you use in your work.*

Digital Library Resources
Students enrolled in this course have online access to the UT Tyler Robert R. Muntz Library. Follow this link, and then complete the instructions at those sites for accessing information from a distant site. Many of the database subscriptions funded by student fees give you access to full text journals that you will need for your review of the literature in each course. If a particular journal is not available, the library staff will procure the article for you using the Iliad feature. Please take the time to update your account and get familiar with the resources available. They are awesome.

Course Evaluation
UT Tyler asks you to complete a voluntary evaluation to help them make improvements and adjustments in their overall online learning forums. Also, an end of semester evaluation specifically for this course will be made available for you to complete in the last week of instruction. Your comments and recommendations will be considered seriously as the course is updated. Your input throughout the semester contributes to my commitment to improve continually the quality and relevance of this course.

Completion Time
You should expect to spend as much time on an online course as you do in a face-to-face course. As a rough guide, you should plan to spend six to ten hours per week on this course. The actual amount of time will vary from individual to individual. This estimate includes the time you spend in reading, discussions, and assignments. Clinical courses will require additional hours to meet clinical requirements.

You will have access to the course materials from the start of the course to the end. Individual modules will be made available on a weekly basis. You may go back and review at any time during the course. All assignments have set due dates. Due dates are as of midnight Central Standard Time on that date.

Technical Support

There are two options to receive UT Tyler technical assistance:
- Phone: (903) 565-5555 or extension 5555 on campus
- Email: itsupport@patriots.uttyler.edu

When you call or email IT Support, be sure to include a complete description of your question or problem including:
- The title and number of the course
- The page in question
- If you get an error message, a description and message number
- What you were doing at the time you got the error message

You may also visit the Help Tab in Blackboard for useful information or check out **On Demand Learning Center for Students** http://ondemand.blackboard.com/students.htm

Necessary Skills for taking an Online Course

As an online/hybrid student you will have a much different "classroom" experience than a traditional student. In order to ensure that you are fully prepared for the online portion of your instruction, following is a list of expectations and requirements:

Students in an online and/or hybrid program should be comfortable with and possess the following skill sets:
- Self-discipline
- Problem solving skills
- Critical thinking skills
- Enjoy communication in the written word

Minimum Technology Skills

As part of your online experience, you can expect to utilize a variety of technology mediums as part of your curriculum:
- Navigate Blackboard
- Ability to send and receive email
- Browsing for and uploading documents and computer files to your Blackboard course
- Downloading and saving files to your computer
- Navigate the Internet using a Web browser such as Mozilla Firefox, Internet Explorer or Chrome.
- Posting to a discussion board and wiki
- Open PDF files
- Playing and viewing video and audio files

Minimum Technology Requirements
- Access to a computer (PC or Mac), personal or on campus

- Internet access (high-speed preferred; Blackboard and the videos may be slow to load on satellite or dial up)
- Microsoft Office , or a Word and PowerPoint compatible program such as Apple iWork or Apache Open Office (free) to view handouts and presentations.

Plug-ins and Helper Applications

UT Tyler online courses use Java, JavaScript, browser plug-ins, helper application and cookies. It is essential that you have these elements installed and enabled in your web browser for optimal viewing of the content and functions of your online course. Always ensure that you are using the most update version for the browser you choose to access the online learning content.

- **Adobe Reader** allows you to view, save, and print Portable Document Format (PDF) files.
  http://get.adobe.com/reader/

- **Java Runtime Environment** (JRE) allows you to use interactive tools on the web.
  http://www.java.com/en/download/

- **Adobe Flash Player** allows you to view content created with Flash such as interactive web applications and animations.
  http://get.adobe.com/flashplayer/

- **QuickTime** allows users to play back audio and video files.
  http://www.apple.com/quicktime/download/

- **Windows Media Player** allows you to view, listen and download streaming video and audio.
  http://windows.microsoft.com/en-US/windows/products/windows-media-player

Blackboard Accessibility

The Blackboard platform contains no barriers for users with disabilities and is both usable and accessible by everyone, regardless of age, ability, or situation. For more information, please review their Commitment to Accessibility.

Netiquette Guide

Please see The University of Texas at Tyler's Netiquette Guide

Campus Directory Quick Reference

Reference	Location	Phone #	Email
Academic Advising	UC 3440	903-565-5718	advising@uttyler.edu
Bookstore	UC	903-566-7070	bookstore@uttyler.edu
Campus Activities	UC 3400	903-565-5796	getconnected@uttyler.edu
Campus Computing/IT Support	BUS 101	903-565-5555	itsupport@patriots.uttyler.edu
Cashier's Office	ADM 125	903-566-7227	cashiers@uttyler.edu
Financial Aid	ADM 230	903-566-7180	enroll@uttyler.edu
Library	LIB	903-566-7342	library@uttyler.edu
Enrollment Services	ADM 230	903-566-7180	enroll@uttyler.edu
Student Accessibility	UC 3150	903-565-7079	cstaples@uttyler.edu
Student Business Services	ADM 125	903-566-7227	cashiers@uttyler.edu
Student Counseling Center	UC 3170	903-566-7254	mskinner@uttyler.edu
Writing Center	BUS 202	903-565-5995	utwritingcenter@gmail.com

Campus Quick Links

Department/Item	URL
Academics	www.uttyler.edu/academics
Athletics	www.uttylerpatriots.com
Blackboard	http://blackboard.uttyler.edu
Campus Map	www.uttyler.edu/maps
Career Services	www.uttyler.edu/careerservices
Costs and Financial Aid	www.uttyler.edu/costs
Course Catalog	www.uttyler.edu/catalog
HPC, Fitness Schedule, Rec Sports	www.uttyler.edu/hpc
IT Support, Patriot E-mail	www.ccs.uttyler.edu
Muntz Library	http://library.uttyler.edu
myUTTyler	http://my.uttyler.edu
Registrar's Office	www.uttyler.edu/registrar
Student Life & Leadership	www.uttyler.edu/sll
Student Services	www.uttyler.edu/studentservices
UT Tyler on Facebook	www.facebook.com/go2uttyler
UT Tyler on YouTube	www.youtube.com/go2uttyler

University Policies

Students Rights and Responsibilities
To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: http://www.uttyler.edu/wellness/rightsresponsibilities.php

Grade Replacement/Forgiveness and Census Date Policies:
Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at http://www.uttyler.edu/registrar. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions that students need to be aware of. These include:
* Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
* Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
* Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
* Being reinstated or re-enrolled in classes after being dropped for non-payment
* Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy:
Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability Services:
In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the

ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychiatric disabilities. If you have a disability, including non-visible disabilities such as chronic diseases, learning disabilities, head injury, PTSD or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the Student Accessibility and Resources office and schedule an interview with the Accessibility Case Manager/ADA Coordinator, Cynthia Lowery Staples. If you are unsure if the above criteria apply to you, but have questions or concerns please contact the SAR office. For more information or to set up an appointment please visit the SAR office located in the University Center, Room 3150 or call 903.566.7079. You may also send an email to cstaples@uttyler.edu

Student Absence due to Religious Observance
Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

Student Absence for University-Sponsored Events and Activities
If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement:
It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation:
Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Getting Started
Please refer to the information contained in this Syllabus anytime you have a question regarding the basic course information. You can access a printable version of this Syllabus by clicking a link below.

Please begin this course by clicking on the Modules button in the left-hand navigation bar, and then choose Module 1.