

NURS 5319

Advanced Pathophysiology

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Syllabus Spring 2022

**Placement
in
Curriculum**

Graduate

**Pre-
requisites**

Graduate Standing in School of Nursing

Credits

3 credit (3-0-0)

Faculty

Mercedes Martinez, DNP, APRN, CPNP-PC

Clinical Assistant Professor

CHSSON Building: Office 320

Office: 915-747-8229

Cell: 915-497-8274 (text please)

Email: mhidalgomartinez@utep.edu

Office Hours: Monday 11:00 am - 2:00 pm MST

Virtual Office Hours:

Tuesday & Thursday 10:00 am - 1:30 pm MST

Virtual meeting via video or telephone may be scheduled as needed.

Sondra Skory, DNP, APRN, CPNP-PC

Assistant Clinical Instructor

Cell: 915-276-8530

Email: ssavila@utep.edu

Virtual office hours: Tuesdays and Thursdays 9am- 3pm

William Hull, DNP, APRN, NNP-BC, RNC-NIC, C-ELBW, DCSD

Instructor of Clinical Nursing

Cell: 915-203-4000 (call/ text before 8PM)

Email: wlhull@utep.edu

Virtual Office Hours: By Appointment

**Course
Description**

The course builds on knowledge of basic physiology and pathophysiologic processes and examines the process involved in manifestations of altered physiological functioning across the lifespan. The theories, concepts and principles of pathophysiology are emphasized in order that insight and understanding of consequences of changes in physiology may be achieved. Current research is used to explore the most recent data examining disruptions in normal physiological functioning. Systems theory and psychophysiological interrelationships are used to analyze the relationships among disease process, their causative factors and normal physiology.

Theoretical formulations and research related to human pathophysiology are integral to the course content.

Course Objectives

Upon course completion the learner is expected to be able to:

- Analyze the relationships among disease processes, their causative factors and normal physiology utilizing an integrated systems theory approach.
- Evaluate the relationships among disease process, causative factors and normal physiology utilizing current theoretical formulations and research findings.
- Evaluate the dynamically changing manifestations of the disease process.
- Analyze, synthesize and interpret observable or available data in order to explicate pathophysiological process.
- Analyze the relationships among pathology, normal physiology, positive health practices and health care.
- Analyze and explicate therapeutic strategies for the acute and chronic pathophysiological process-affecting individuals across the lifespan.

Location Meeting Time

This is a 7-week course offered 100% online, asynchronous format. The course will meet from 3/14/2022 to 4/30/2022.

Required Textbooks

McCance, K. L., & Huether, S. E. (2019). Pathophysiology: The biologic basis for disease in adults and children(8th Ed.). Elsevier-Mosby. ISBN:9780323583473

Resources

McCance, K. & Huether, S. (2019). Study guide for pathophysiology (8th Ed.). Elsevier-Mosby. ISBN: 9780323413091

Teaching and Learning Strategies

A variety of teaching/learning strategies will be used to enrich the experience of learners and may include individual and/or group work, reading assignments, videos, case studies, presentations and discussion board postings. The purpose of assignments are to assist the student in understanding and demonstrating understanding of Advanced Pathophysiology.

Graded Assignments

Activity	Total Possible Points
Introduction	20
Assignment 1 - Discussion Board Infographic	130
Assignment 2 - Case Study	200
Assignment 3 - Discussion Board Infographic	150
Assignment 4 - Case Study	200
Assessment - Midterm	150
Assessment - End of Semester	150
Total	1000

Grading Criteria:

Grading scale:

A = 900 -1000 **B** = 800 - 899 **C** = 700 - 799 **D** = 600 - 699 **F** = < 600

Earning an 80% of the points or greater for all activities is expected of students. Students who earn < 80% on activities are given the opportunity to resubmit their work for one additional time, however, the maximum grade for resubmission will be 80% of the points.

Seventh edition APA format (citation and references) is required for all activities. Work may be subjected to point deduction for using non-APA 7th edition format.

Incomplete, Late, and Incorrect Assignment Submission

To receive credit for work, respond to all items, questions, and review rubrics. It is recommended that students verify the appropriate document was submitted. Students will be notified via email if submitted incorrect work (wrong drafts, wrong assignment, missing content, not following directions, content submitted that is not gradable by faculty, assignments in different formats than what was requested. Point deductions will occur if activities are sent back.

Late Assignment Submission: **All assignments listed are required for successful completion of this course.** If a student anticipates difficulty in completing an assignment (s) on time, he or she shall notify faculty in advance of the due date. Faculty will make a final decision on the late assignment(s).

If an assignment is submitted late without prior approval, points will be deducted as listed below.

- Up to 24 hours late: deduction 10% of points
- 25-48 hours late: deduction 20% of points
- > 48 hours late: deduction 30% of points

Incomplete Grades

Students may receive a grade of an "I" for incomplete work only in exceptional circumstances and with faculty approval. Students who expect to take an incomplete must develop (with faculty) a written plan including a timeline for completing the course assignments. Although university policy requires completion of all required assignments within one year, the School Of Nursing (SON) policy may be more stringent and faculty may require completion of course requirements within a shorter time period.

Expectations & Responsibilities of Students

The majority of learning occurs outside the actual or virtual classroom during discussions with peers, colleagues, and friends; while researching solutions to practice problems or digesting reading material, and when completing assignments. Students share, examine, and clarify information and learning within the virtual classroom setting and in discussion boards. Students are to be well prepared and actively involved in learning. In order to participate, attending to readings and assignments is essential.

Students are expected to:

- Complete the course acknowledgement to avoid delay in receiving graded work
- Review course updates and email at least every other day
- Complete all activities and participate in discussion boards as individual work unless otherwise noted
- Communicate clearly and openly with peers and faculty
- Use [netiquette](#) and show respect for the opinions and work of others
- Seek assistance for writing and presentation of materials as needed to meet graduate level standards
- Use resources such as: those provided by faculty, articles from journals that are peer reviewed, evidence based material from established bodies (e.g. associations and organization), videos from known entities (JAMA, Cleveland Clinic).
- Avoid referencing resources that are non-peer reviewed (e.g. web sites, homemade youtube videos, blogs, or Wikipedia) as point deductions may incur.

Academic Integrity and Scholastic Dishonesty

Academic Integrity is a commitment to fundamental values: honesty, trust, fairness, respect, and responsibility.

Scholastic Dishonesty: Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable to

another person. Violations will be taken seriously and will be referred to the Office of Student Conduct and Conflict Resolution <http://sa.utep.edu/osccr/academic-integrity/>

Technical Support

Students and faculty have 24/7/365 support through Blackboard in a variety of ways. The Online Support Center offers phone, chat, and email contact options:

- Online Support Center
<http://admin.utep.edu/Default.aspx?tabid=74092>
- Phone: 1-915-747-4357
- Email Support: helpdesk@utep.edu
- Live Chat: Chat With Us

University resources are also available for students: Monday - Friday from 8:00 am - 5:00 pm MT at the UTEP Help Desk.

Student Accommodations

If you have a disability, illness, and/or disorder and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 915-747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass . CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students.

COVID-19 Precautions

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID 19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org

*Syllabus edited by Dr. F. Nunez

Course Calendar

Week	Readings	Resources	Course Activities (Submit in Blackboard)
Week 1 3/14-3/20	McCance & Huether, (2019) Read Chapter: 2 Altered Cellular and Tissue Biology	View Big Picture/s PowerPoint Slides: Chapter's: 1, 2, 3 Videos	Course Acknowledgement <ul style="list-style-type: none"> • Due 3/17 at 11:59 pm MT Self-introduction <ul style="list-style-type: none"> • Due 3/17 at 11:59 pm MT Assignment 1: Infographic and Respond to 2 Peers on Discussion Board <ul style="list-style-type: none"> • Due 3/27 at 11:59 pm MT
Week 2 3/21-3/27	McCance & Huether, (2019) Chapters: 4, 5, 6 Genes, Gene-Environment Interaction, and Epigenetics	View Big Picture/s PowerPoint Slides: Chapters: 4, 5, 6 Videos Gravholt et al. (2 articles)	Assignment 1: Infographic and Respond to 2 Peers on Discussion Board <ul style="list-style-type: none"> • Due 3/27 at 11:59 pm MT
Week 3 3/28-4/3	McCance & Huether, (2019) Chapters: 9, 10, 11 Mechanisms of Self Defense	View Big Picture/s PowerPoint Slides: Chapters: 7, 8, 9, 10, 11 Videos About Coronavirus Disease 2019 (COVID-19) - Link access Articles	Assessment - Midterm <ul style="list-style-type: none"> • Opens 3/30 at 12:01 am MT and Closes 4/5 at 11:59 pm MT Start on Assignment 2 - Case Study <ul style="list-style-type: none"> • Due 4/10 at 11:59 pm MT
Week 4 4/4-4/10	McCance & Huether, (2019) Chapters: 12, 13, 14 Cellular Proliferation: Cancer	View Big Picture/s PowerPoint Slides: Chapters: 12, 13, 14 Videos	Assignment 2: Case Study <ul style="list-style-type: none"> • Due 4/10 at 11:59 pm MT

Week	Readings	Resources	Course Activities (Submit in Blackboard)
Week 5 4/11-4/17	McCance & Huether, (2019) Chapters: 16, 17, 18, 19, 20 The Neurological System	View Big Picture/s PowerPoint Slides: Chapter's: 15, 16, 17, 18, 19, 20 Videos	Assignment 3: Infographic and Respond to 2 Peers on Discussion Board <ul style="list-style-type: none"> • Due 4/17 at 11:59 pm MT Start on Assignment 4: Case Study <ul style="list-style-type: none"> • Due 4/24 at 11:59 pm MT
Week 6 4/18-4/24	McCance & Huether, (2019) Chapters: 22, 23 The Endocrine System Chapters: 25, 26, 27 The Reproductive System	View Big Picture/s PowerPoint Slides: Chapter's: 22, 23, 25, 26, 27 Videos	Assignment 4: Case Study <ul style="list-style-type: none"> • Due 4/24 at 11:59 pm MT
Week 7 4/25-5/1	McCance & Huether, (2019) Chapters: 28, 29, 30, 31 The Hematologic System	View Big Picture/s PowerPoint Slides: Chapter's: 28, 29, 30, 31 Videos	Assessment - End of Semester <ul style="list-style-type: none"> • Opens 4/25 at 12:01 am MT and Closes 4/30 at 11:59 pm MT