

UNIVERSITY OF NEVADA LAS VEGAS
SCHOOL OF NURSING
Fall 2015

COURSE: NURS 704 Advanced Pathophysiology and Genetics I

CREDITS: 3 (Three)

LEVEL: Graduate

FACULTY: Jennifer Kawi, PhD, MSN, APRN, FNP-BC, CNE
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PREREQUISITES: Admission to Graduate Program or consent of MSN Program Coordinator

COURSE DESCRIPTION: Emphasis on physiologic mechanisms and pathophysiology of disease from a cellular perspective to include growth and development through the life span. Focus on genomics in basic and molecular concepts in biology, human diversity and variation, genetic disorders, influences on chromosome, gene action and inheritance modes

At the conclusion of the course, the student will be able to:	
Course Objectives	MSN Program Outcomes
1. Describe normal systems physiology at the cellular level.	1. Integrate scientific findings from health and educational fields to include but not limited to nursing, social sciences, and humanities.
2. Differentiate normal developmental alterations in physiology from indicators of disease	1. Integrate scientific findings from health and educational fields to include but not limited to nursing, social sciences, and humanities.
3. Analyze the pathophysiologic cause of commonly encountered disease processes.	4. Utilize a systematic, scholarly approach to translate, apply, and disseminate evidence-based research in clinical or educational settings.
4. Analyze physiologic responses to disease and their impact on homeostasis.	4. Utilize a systematic, scholarly approach to translate, apply, and disseminate

	evidence-based research in clinical or educational settings.
5. Identify cultural and ethnic influences on physiologic response and pathologic development.	8. Synthesize social, cultural, financial, legal, ethical, and political influences to advance nursing practice, healthcare, and education.
6. Evaluate the impact of multisystem pathophysiology on the development and presentation of clinical disease.	7. Employ culturally appropriate skills in communicating and collaborating with interdisciplinary teams to achieve positive outcomes in clinical or educational settings.
7. Incorporate information technology strategies in the learning process.	5. Incorporate health related technologies to deliver, coordinate care, and analyze data to improve outcomes.
8. Apply concepts of genomics, genetic disorders, gene inheritance and the impact on pathophysiology at the cellular level to the organism expression.	1. Integrate scientific findings from health and educational fields to include but not limited to nursing, social sciences, and humanities. 8. Synthesize social, cultural, financial, legal, ethical, and political influences to advance nursing practice, healthcare, and education.

REQUIRED REFERENCES:

1. McCance, K. L, & Huether, S. E. (2013). *Pathophysiology: The Biologic Basis for Disease in Adults & Children (7th ed.)*. St. Louis: Mosby.

2. Epack (Online) course of above (**should come with access code**)

***The ISBN is 9780323187350 for both combined.

If ordering online, the required references above are called: Pathophysiology Online for Pathophysiology (Access Code and Textbook Package), 7th Edition - The Biologic Basis for Disease in Adults and Children” with ISBN 9780323187350 (same as above).

CLASS FORMAT: An entirely web-based, on-line delivery format will be used. Content is organized into weekly units that will include references, notes, links to pertinent web sites, case studies, and multimedia illustrations. Interaction will be asynchronous.

COURSE REQUIREMENTS: There will be one midterm exam consisting of a case study paper with instructions and rubric posted on webcampus. **This is the course paper required for your NP Portfolio.**

There will also be a final exam consisting of case scenarios with corresponding questions. Specific exam questions given to everyone may vary. **All students will NOT need to take the final examination at the same time but it is scheduled on the same day.** Students are expected to plan the date for the final exam at the beginning of the semester so that they will be ready and available at the scheduled date.

Midterm and final exams **must be written in the student's own words.** Please review the plagiarism and academic honesty policies of UNLV. These will be submitted via Web Campus **before the due date.** Any student who is unable to meet the exam schedules must notify the instructor in writing a minimum of 15 calendar days prior to the exam dates and times so that alternative arrangements may be considered at the instructor's discretion. Midterm and final exam submissions posted after the due date/time will be considered late and will obtain a 10-point deduction within the first 24 hours and every day thereafter. Any exam submitted 3 days after the due date will be given a zero.

Weekly activities are also required. These include:

1. Case studies through **discussions** assigned according to groups - Late discussion postings within the first 24 hours will get a 5-point deduction, and every day thereafter. A discussion rubric is posted on webcampus with group assignments. **Discussion postings when assigned for the group are due before 1159 PM WEDNESDAY and required replies are due before 1159 PM SATURDAY.**

2. Individual **modular post-tests** – These can be online multiple choice questions, case study (i.e. genetics), or essay quizzes via the assignment tab. Post-tests not completed within the timeframe will get a zero without prior written approval. **Post-tests are due before 1159 PM every SATURDAY of each week.**

No exams and post-tests will be accepted late without approval and at the discretion of the instructor. Holidays typically do not impact the course as students have several days for each learning content.

Completion of all exams and post-tests are individual exercises with no collaborative work allowed.

COURSE OVERVIEW: This course is comprised of weekly learning modular contents all of which are constructed in the same basic format. Course content will open in weekly intervals and will remain open until the end of the semester. **Announcements** will be posted prior to each week's learning content. Then, every week begins with an introduction to the topics followed by learning objectives.

Pre-tests (especially on physiology concepts) will also be available as a form of review and assessment of readiness for each chapter but this will not be included in your final grades.

GRADING CRITERIA: Please note that by policy of the School of Nursing, percentages may not be rounded (up) to the next whole number.

Modular Post-Tests	30%
Multiple Choice Post-tests (6x2%=12%)	
Genetics Activity (8%)	
Essay Quizzes (2x5%=10%)	
Discussion Posting (100 points)	10%
Midterm Exam (100 points)	30%
Final Exam (100 points)	30%

Grading Scale

100 – 93	A	82 – 80	B-	69 – 68	D+
92 – 90	A-	79 – 78	C+	67 – 65	D
89 – 88	B+	77 – 75	C	64 – 60	D-
87 – 83	B*	74 – 70	C-	≤ 59	F

***Nursing students must receive at least a B (not B-) in all graduate courses to pass.**

Getting help in WebCampus: Since computer and browser capabilities are important in accessing all the activities for this online course, students can call the Help Desk: 702-895-0777 any time before 11 PM for technical questions or support. <http://oit.unlv.edu/help/webcampus>

CONFIDENTIALITY: An important part of nursing ethics is maintaining client confidentiality. Therefore, any written work submitted must never contain the client’s full name. Client’s problems must not be discussed with family or friends. If the school ascertains that a client’s confidentiality has been violated, the student violating the confidence will be subjected to disciplinary action.

EVALUATIONS: Your evaluation of instruction is a vital part of maintaining and improving the nursing program’s quality and a professional responsibility as well. Your instructors give great weight to your assessments and suggestions for course improvement. Each semester, we modify the courses based on these evaluations so that the courses are improved for the incoming class of students, a type of continuous quality improvement. Finally, the Commission on Collegiate Nursing Education bases part of its accreditation of our program on whether we make course improvements responsive to student evaluations. We appreciate your assistance with this important part of your student career.

Evaluation of Instruction Questions
Delivered on-line by the UNLV Evaluation & Assessment Center

1. *This course increased my knowledge.*
2. *The course provided sufficient opportunity for me to learn.*
3. *The course challenged me intellectually.*
4. *The instructor made a significant impact on my understanding of course content.*
5. THE COURSE OBJECTIVES WERE CLEAR.
6. MY GRADES ADEQUATELY REFLECTED THE QUALITY OF MY PERFORMANCE IN THIS COURSE.
7. THE INSTRUCTOR'S EXPECTATIONS FOR ASSIGNMENTS WERE CLEAR.
8. THE INSTRUCTOR'S ASSESSMENTS REFLECTED WHAT WAS COVERED IN THE COURSE.
9. The instructor was well prepared for each session.
10. The instructor's explanations were clear.
11. The instructor was concerned with whether or not the students learned the material.
12. The instructor was available for consultation with students.

Key-- color or font:

Learning Ratings

ASSESSMENT RATINGS

Instruction Ratings

INSTRUCTOR RESPONSIBILITIES

Students may need additional help throughout the semester. The instructor is expected to maintain weekly office hours as noted in the beginning of the syllabus. Special arrangements could be made for meeting outside the documented office hours at the discretion of the instructor. For emails sent Monday through Friday, response time is 24-48 hours. For emails sent on weekends and holidays, expect a response within 48-72 hours. Response to discussion forum questions will also follow these time guidelines.

NOTE: The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessary during the term of the course, the instructor will immediately notify students of such changes through WebCampus.

OTHER STUDENT RESPONSIBILITIES

As adult and independent online learners, students are expected to take responsibility for their own learning. If at any time a student feels that he or she needs additional help, it is the student's responsibility to contact the instructor with such concerns. Each student should monitor his/her progress throughout the semester, and ask for assistance as necessary.

Although not attending a classroom session, students are expected to invest time and study equal to a three-credit graduate level academic course. Students are required to access Web Campus regularly (every 24 hours) in order to facilitate completion of required activities.

Students are also responsible for reviewing the School of Nursing Student Handbook and be aware of the School of Nursing Academic Calendar on final dates to drop or withdraw courses.

UNIVERSITY POLICIES:

Academic Misconduct – Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution.

An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the *Student Academic Misconduct Policy* (approved December 9, 2005) located at: <http://studentconduct.unlv.edu/misconduct/policy.html>.

Copyright – The University requires all members of the University Community to familiarize themselves **with** and to follow copyright and fair use requirements. **You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you nor assume any responsibility for employee or student violations of fair use laws.** Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: <http://www.unlv.edu/provost/copyright>.

Disability Resource Center (DRC) – The UNLV Disability Resource Center (SSC-A 143, <http://drc.unlv.edu/>, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor in front of others to discuss your accommodation needs.

Religious Holidays Policy – Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only.

It shall be the responsibility of the student to notify the instructor no later than the end of the first two weeks of classes, **September 18, 2015**, of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: <http://catalog.unlv.edu/content.php?catoid=6&navoid=531>.

Incomplete Grades - The grade of I – Incomplete – can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it.

Graduate students receiving “I” grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

Students cannot enroll in other nursing classes if they have an incomplete in a course that is designated as a prerequisite to that course.

Tutoring – The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex (SSC). Students may learn more about tutoring services by calling 702-895-3177 or visiting the tutoring web site at: <http://academicsuccess.unlv.edu/tutoring/>.

UNLV Writing Center – One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>

Rebelmail – By policy, faculty and staff should e-mail students’ Rebelmail accounts only. Rebelmail is UNLV’s official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu. **Emailing within WebCampus is acceptable.**

Final Examinations – The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule.

Library Resources – Students may consult with a librarian (www.library.unlv.edu/consultation) about research needs. For this class, the subject librarian is Xan Goodman. UNLV Libraries provides
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resources to support students' access to information. Discovery, access, and use of information are vital skills for academic work and for successful post-college life. Access library resources and ask questions at www.library.unlv.edu/

COURSE SCHEDULE OVERVIEW:

(Subject to change if necessary with notice given to students via WebCampus)

Week	Topic	Textbook Chapters	Epack Online Modules	Required Activities
1: 9/8	The Cell	Chapters 1-3	Modules 1-2	Introduction (Discussion Board) and Syllabus Contract DUE 9/12, Saturday before 1159 PM
2: 9/14	Immunity and Inflammation	Chapters 7-8	Modules 4-5	*Post-Test (Module 4 Multiple Choice)
3: 9/21	Alterations to Immunity and Inflammation	Chapters 9-10	Modules 6-7	*Post-Test (Module 7 Multiple Choice) **Group Discussions (Group 1)
4: 9/28	Genes and Cancer	Chapters 4-6 Chapters 11-14	Modules 3 and 8	*Post-Test: Genetics Case Study Activity (Instructions will be posted)
5: 10/5	Hematology	Chapters 27-30	Modules 12-13	*Post-Test (Module 12 Multiple Choice) **Group Discussions (Group 2)
6: 10/12	Cardiovascular	Chapters 31-33	Module 14	*Post-Test (Essay Quiz via Assignment Tab) **Group Discussions (Group 3)
7: 10/19	MIDTERMS			Midterm Exam: CASE STUDY DUE 10/24, Saturday before 1159 PM.
8: 10/26	Pulmonary	Chapters 34-36	Module 15	*Post-Test (Module 15 Multiple Choice) **Group Discussions (Group 4)
9: 11/2	Renal	Chapters 37-39	Module 16	*Post-Test (Essay Quiz via Assignment Tab) **Group Discussions (Group 5)
10: 11/9	GI	Chapters 40-42	Module 17	*Post-Test (Module 17 Multiple Choice)
11: 11/16	Endocrine	Chapters 21-22	Module 10	*Post-Test (Module 10 Multiple Choice)
12: 11/23	Reproductive	Chapters 23-26	Module 11	Thanksgiving weekend
13: 11/30	NeuroMuscular	Chapters 15-20 Chapters 43-45	Module 9 and 18	Review for Final Exam
14: 12/7	Integumentary, Shock, MODS, Burns	Chapters 46-47 Chapters 48-49	Module 19	FINAL EXAM DUE 12/5, Saturday before 1159 PM
15: 12/14	Final Week			END

*Post-tests are due before 1159 PM every SATURDAY of each week identified above.

**Discussion postings when assigned for the group are due before 1159 PM WEDNESDAY and required responses are due before 1159 PM SATURDAY

NURS 704

Syllabus Contract

I, _____, have read the entire syllabus for NURS 704. I understand that I am accountable for the information in this syllabus and will adhere to due dates and requirements in this syllabus.

Student Signature

Date

Note: Print this page, fill in your name and sign/date. Submit in the Assignment Tab under "Syllabus Contract" before the deadline.