



SAINT LOUIS UNIVERSITY
MADRID

NURS 3360 - Pathophysiology
Spring 2018

Class Days and Time: MW, 10-1150 and 12-1350

Classroom: SIH-C

Prerequisite(s): Human Anatomy, Human Physiology, Chemistry

Credit(s): 4

Instructor: Heather Sañudo, MSN, FNP

Instructor's Email: heather.sanudo@slu.edu

Instructor's Campus Phone: 91 554 58 58, ext. 216

Office: PAH top floor

Office Hours: Tuesday 2-4 and Thursdays 12-4

Course Description: This course provides an overview of the pathophysiological processes common to many diseases. Major pathophysiological concepts are explored using a body systems approach. Concepts and theories related to epidemiology, etiology, pathogenesis, and clinical manifestations are used to study common disease processes. The content will be based on the health-illness continuum, including both physiological and psychological alterations, and system or organ failure. Considerations are given to selected pathological alterations and their effects on physiological and psychological functions. A life span approach is utilized with selected disease models and case studies as the focus in the course. Concepts from anatomy, physiology and chemistry courses provide the foundation for exploring human diseases.

Course Goals and Student Learning Outcomes: At the end of the course, students will:

Program Learning Outcomes

Upon completion of this course the student will:

1. Discriminate between various physiological and psychological states of health and illness of all body systems.
2. Describe the basic concepts of pathophysiological changes that influence the disease process.
3. Discuss the etiology, pathogenesis and clinical manifestations of selected pathophysiological conditions.
4. Identify risk factors for selected pathological conditions.
5. Describe the role of genetics and ethnicity in assessing risk factors for disease.
6. Utilize pathophysiological concepts to explain epidemiological and geographic disease patterns.
7. Develop basic skill in clinical judgments that correlate the abnormal functions of body systems with the disease process.

Course Objectives

- A. Understanding of the pathologic effects of selected disease processes at the cellular and systemic levels.
- B. Apply the critical thinking process to the use of pathophysiologic principles as a basis for nursing practice
- C. Understanding of the etiology, pathogenesis, clinical manifestations and treatment in the study of pathological processes

Student Learning Outcomes

Course Objectives	Student learning Outcomes	Assessment Method
A	Understands pathologic effects of disease processes at cellular and systemic levels	Exams Case studies Critical thinking questions Quizzes
B	Applies critical thinking in use of pathophysiologic principles as a basis for nursing practice.	Exams Case studies Critical thinking questions Quizzes
C	Understands etiology, pathogenesis, clinical manifestations and treatment in the study of pathological processes.	Exams Case studies Critical thinking questions Quizzes

Saint Louis University - Madrid Campus is committed to excellent and innovative educational practices. In order to maintain quality academic offerings and to conform to relevant accreditation requirements, the Campus regularly assesses its teaching, services, and programs for evidence of student learning outcomes achievement. For this purpose anonymized representative examples of student work from all courses and programs is kept on file, such as assignments, papers, exams, portfolios, and results from student surveys, focus groups, and reflective exercises. *Thus, copies of student work for this course, including written assignments, in-class exercises, and exams may be kept on file for institutional research, assessment and accreditation purposes.* If students prefer that Saint Louis University - Madrid Campus does not keep their work on file, they need to communicate their decision in writing to the professor.

Required Texts and Materials: Copstead, L. C. (2013). Pathophysiology (5th ed.). Philadelphia: Saunders

Attendance Policy: Attendance is required at all lectures. Students who will be missing class should contact the professor at heather.sanudo@slu.edu

Course Requirements and Grading Rationale/System:

All cell phones must be turned off or to vibrate during class, lecture and lab times.

Scheduled test dates will be strictly adhered to. Students who are unable to take the test at the scheduled time must inform the professor prior to the test time. Failure to do so will result in **5 percentage points** deducted from test score.

Test – Make-up tests must be scheduled at the earliest possible opportunity. Students who are ill and present a valid health care practitioner’s statement attesting to that illness, may reschedule the test without penalty. All other students who need to reschedule the test date will automatically have **5 percentage points** deducted from their test grade. Travel is NOT a reason to reschedule a test. Failure to provide proper prior notification or to keep the scheduled make-up appointment will result in an additional **5 percentage point deduction**. Failure to complete the makeup exam within one week of the originally scheduled exam will result in a score of zero. Faculty reserves the right to substitute an alternate form of the test as a make-up exam.

Students must have a **77%** average in this course in order to advance in the nursing sequence.

EVALUATION METHODS:

Four Tests=25% each on Feb 5, Feb.26, Mar.21, April 30

There will be an optional Comprehensive Final Examination on May 7/May 9. The grade on the Comprehensive Final Examination may **replace** the lowest test score thereby counting 25% of your grade. If you have below 77% after the 5/30 exam, the final is **NOT** optional and must be taken.

Grading Scale

A	93-100
A-	91-92
B+	89-90
B	85-88
B-	83-84
C+	80-82
C	77-79
C-	75-76
D	70-74
F	69 and below

E-mail: Campus and course announcements will often be handled by e-mail. Students should check their “@slu.edu” e-mail regularly.

University Statement on Academic Integrity: Academic integrity is honest, truthful and responsible conduct in all academic endeavors. The mission of Saint Louis University is "the pursuit of truth for the greater glory of God and for the service of humanity." Accordingly, all acts of falsehood demean and compromise the corporate endeavors of teaching, research, health care and community service via which SLU embodies its mission. The University strives to prepare students for lives of personal and professional integrity, and therefore regards all breaches of academic integrity as matters of serious concern.

The governing University-level Academic Integrity Policy can be accessed on the Provost's Office [website](#). Additionally, SLU-Madrid has posted its academic integrity policy online: <http://www.slu.edu/madrid/academics>. As a member of the University community, you are expected to know and abide by these policies, which detail definitions of violations, processes for reporting violations, sanctions and appeals.

The professor will review these matters during the first weeks of the term. Please direct questions about any facet of academic integrity to your faculty, the chair of the department of your academic program, or the Academic Dean of the Madrid Campus.

University Title IX Statement: Saint Louis University and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the University. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU's Title IX deputy coordinator, Marta Maruri, whose office is located on the ground floor of Padre Rubio Hall, Avenida del Valle, 28 (mmaruri@slu.edu; 915-54-5858, ext. 213) and share the basic fact of your experience with her. The Title IX deputy coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus.

If you wish to speak with a confidential source, you may contact the counselors at the SLU-Madrid's Counseling Services on the third floor of San Ignacio Hall (counselingcenter-madrid@slu.edu; 915-54-5858, ext. 230) or Sinews Multiplettherapy Institute, the off-campus provider of counseling services for SLU-Madrid (www.sinews.es; 917-00-1979). To view SLU-Madrid's sexual misconduct policy and for resources, please visit the following web address: <http://www.slu.edu/Documents/Madrid/campus-life/SLUMadridSexualMisconductPolicy.pdf>.

Students with Special Needs: In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.

University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Academic Dean's Office (San Ignacio Hall) or by going to <https://www.slu.edu/madrid/academics/student-resources>.

Students with a documented disability who wish to request academic accommodations must contact Disability Services to discuss accommodation requests and eligibility requirements. Once successfully registered, the student also must notify the course instructor that they wish to access accommodations in the course. Please contact Disability Services at disabilityservices-madrid@slu.edu or +915 54 58 58, ext. 230 for an appointment. Confidentiality will be observed in all inquiries. Once approved, information about the student's eligibility for academic accommodations will be shared with course instructors via email from Disability Services. For more information about academic accommodations, see "Student Resources" on the SLU-Madrid webpage.

Note: Students who do not have a documented disability but who think they may have one are encouraged to contact Disability Services.

(IF APPLICABLE): Mandatory Trips/Activities: Students enrolled in this class must participate and make payment for all mandatory trips/activities. The prices posted on the web are approximate; the final price will be based on the number of students enrolled on the last day of the Add/Drop period. All students, including those who withdraw from the class after this date, are required to pay these fees, which are non-refundable, unless the trip is cancelled due to low enrollment. Please review SLU-Madrid's trip policies, available on-line.

Spring 2018 Course Schedule:

JANUARY	
Wednesday 10	Introduction to Pathophysiology Concepts
Monday 15	Cellular Injury, Aging & Death. Pain
Wednesday 17	Genetic and Developmental Disorders
Monday 22	Neoplasia and Malignant Disorder of White Cells
Wednesday 24	Alterations in Immune and Inflammatory Response
Monday 29	Alterations in Immune and Inflammatory Response Alterations in Endocrine Function and Metabolism
Wednesday 31	Alterations in Endocrine Function and Metabolism
FEBRUARY	
Monday 5	EXAM 1 WHOLE CLASS SIH C 10-1150
Wednesday 7	Alterations in Cardiac Function
Monday 12	Alterations in Cardiac Function
Wednesday 14	Alterations in Cardiac Function-WHOLE class SIH C 1200-1350
Monday 19	Alterations in Fluid & Electrolyte & Acid Base Homeostasis
Wednesday 21	Alterations in Respiratory Function
Monday 26	EXAM 2 WHOLE CLASS SIHC 10-1150
Wednesday 28	Alterations in Renal Function
MARCH	
Monday 5	Disorders of Lower Urinary Tract
Wednesday 7	Alterations in Genital and Reproductive Function
Monday 12	Alterations in Gastrointestinal Function
Wednesday 14	Alterations in Gastrointestinal Function-WHOLE class SIH C 12-1350
Monday 19	Diabetes Mellitus
Wednesday 21	EXAM 3 WHOLE CLASS SIHC 10-1150
Monday 26	<i>Semana Santa</i> Holiday (Campus Closed)
Tuesday 27	
Wednesday 28	
Thursday 29	<i>Jueves Santo</i> (Campus Closed)
Friday 30	<i>Viernes Santo</i> (Campus Closed)
APRIL	
Monday 2	Alteration in Integumentary System
Wednesday 4	Alterations in Musculoskeletal Support and Movement
Monday 9	Alterations in Oxygen Transport and Hemostasis and Blood Coagulation
Wednesday 11	Alterations in Neural Function
Monday 16	Alterations in Neural Function
Wednesday 18	Alterations in Sensory Functioning Alterations in Neuropsychological Functioning
Monday 23	Shock
Wednesday 25	Catch up-review
Monday 30	EXAM 4 SIH C WHOLE CLASS
MAY	
Tuesday 1	<i>Día del Trabajador</i> (Campus Closed)
Wednesday 2	<i>Día de la Comunidad</i> (Campus Closed)
Thursday 3	Spring 2018 Final Day of Classes
Monday 7	5/7 0930-1130 There will be an OPTIONAL comprehensive final examination on MAY 7 . The grade on the COMPREHENSIVE final examination may replace the lowest test score thereby counting 25% of your grade.
Friday 11	University Housing Move-out Date
Sunday 13	Professors' deadline to submit spring 2018 final grades

Final Exam Schedules Spring 2018

	4 May (Fr)	7 May (Mn)	8 May (Tu)	9 May (Wd)	10 May (Th)
08:30-11:30	Mn classes that meet at 9:00 & 9:30	Mn classes that meet at 10:00	Mn classes that meet at 11:00 & 11:30	Tu classes that meet at 9:30	Tu classes that meet at 8:00
12:00-15:00	Tu classes that meet at 11:00	Mn classes that meet at 13:00	Tu classes that meet at 14:30	Mn classes that meet at 12:00 & 12:30	Tu classes that meet at 12:30
15:30-18:30	Mn classes that meet at 14:30	Tu classes that meet at 17:00 & 17:30	Mn classes that meet at 16:00	Tu classes that meet at 16:00	Mn classes that meet at 17:30
19:00-22:00	---	---	Mn classes that meet at 18:30 & 19:00	Tu classes that meet at 19:00	---