



Graduate Course Syllabus

NUR 601: Advanced Pathophysiology

Center: Online

Credits: 3

Course Prerequisites

None

Course Description

Students build upon prior knowledge of physiology and pathophysiological processes to acquire advanced knowledge of the relationships between normal physiology and specific system alterations produced by injury and disease to foster clinical reasoning skills. Focus is placed on etiology, pathogenesis, developmental, genetic, environmental influences, and clinical manifestations of major health problems across the lifespan.

AACN Essentials

This course meets the following AACN Essentials of Master's Education for Professional Nursing Practice:

- Essential IV: Translating and Integrating Scholarship into Practice
- Essential VIII: Professionalism and Professional Values

Course Outcomes

- Analyze normal physiology across the life span for informing health promotion and disease prevention
- Interpret specific etiological relationships for effectively describing the clinical manifestations of an altered health status
- Compare pathological phenomena and normal physiology for informing disease detection and treatment efforts
- Defend diagnostic testing and treatment decisions for various altered health states through relevant pathophysiological research
- Incorporate appropriate and culturally sensitive demographic information for identifying pathophysiologic change in developing an appropriate plan of care

Required Materials

Using your learning resources is critical to your success in this course. Please purchase directly through the [SNHU Online Bookstore](#) rather than any other vendor. Purchasing directly from the bookstore ensures that you will obtain the correct materials and that the IT Service Desk, your advisor, and the instructor can provide you with support if you have problems.

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). ISBN: 978-1-4338-3216-1

McCance, K. L., & Huether, S. E. (2019). *Pathophysiology: The biologic basis for disease in adults and children* (8th ed.). St. Louis, MO: Elsevier. ISBN: 978-0-323-58347-3

Optional:

McCance, K. L., & Huether, S. E. (2019). *Study guide for pathophysiology* (8th ed.). ISBN: 978-0-323-41309-1

Diversity, Equity, and Inclusion

As indicated in our core values, SNHU is committed to “embrace diversity where we encourage and respect diverse identities, ideas, and perspectives by honoring difference, amplifying belonging, engaging civilly, and breaking down barriers to bring our mission to life.”

This may or will be reflected in SNHU’s curriculum as we embrace and practice diversity, equity, and inclusion (DEI) to provide the most transformative experience for our students, faculty, and staff. Because topics pertaining to DEI can be sensitive, please remember that embodying and practicing diversity, equity, and inclusion is one of our core values that you will encounter throughout the academic experience. In higher education, we are expected to think and engage critically. Use a growth mindset to embrace the diverse readings, course assignments, and experiences of your peers and faculty.

For more information about DEI at SNHU, please visit our website at the [Office of Diversity and Inclusion](#).

Instructor Availability and Response Time

Your class interaction with the instructor and your classmates will take place on a regular, ongoing basis. Your instructor will be actively engaged within the course throughout the week. You will normally communicate with your instructor in the weekly discussions or the General Questions discussion topic so that your questions and the instructor’s answers benefit the entire class. You should feel free, however, to communicate with your instructor via SNHU email at any time, particularly when you want to discuss something of a personal or sensitive nature. Your instructor will generally provide a response within 24 hours. Instructors will post grades and feedback (as applicable) within seven days of an assignment’s due date, or within seven days of a late submission.

Grade Distribution

| Assignment Category | Number of Graded Items | Point Value per Item | Total Points |
|----------------------|------------------------|----------------------|-----------------------------------|
| Discussions | 4 | 25 | 100 |
| Short Papers | 2 | 40 | 80 |
| Journal | 1 | 25 | 25 |
| Concept Map Activity | 1 | 37 | 37 |
| SOAP Note Worksheet | 1 | 20 | 20 |
| Quizzes | 5 | 25 | 125 |
| Final Project | | | |
| Milestones | 3 | 71 | 213 |
| Final Submission | 1 | 400 | 400 |
| | | | Total Course Points: 1,000 |

This course may also contain practice activities. The purpose of these non-graded activities is to assist you in mastering the learning outcomes in the graded activity items listed above.

University Grading System: Graduate

| Grade | Numerical Equivalent | Points |
|-------|----------------------|--------|
| A | 93–100 | 4.00 |
| A- | 90–92 | 3.67 |
| B+ | 87–89 | 3.33 |
| B | 83–86 | 3.00 |
| B- | 80–82 | 2.67 |
| C+ | 77–79 | 2.33 |
| C | 73–76 | 2.00 |
| F | 0–72 | 0.00 |
| I | Incomplete | |
| IF | Incomplete/Failure * | |
| W | Withdrawn | |

* Please refer to the [policy page](#) for information on the incomplete grade process.

Grading Guides

Specific activity directions, grading guides, posting requirements, and additional deadlines can be found in the Assignments and Rubrics section of the course.

Weekly Assignment Schedule

All reading and assignment information can be found within each module of the course. Assignments and discussion posts during the first week of each term are due by 11:59 p.m. Eastern Time. Assignments and discussion posts for the remainder of the term are due by 11:59 p.m. of the student's local time zone.

In addition to the textbook readings that are listed, there may be additional required resources within each module.

| Module | Topics and Assignments |
|--------|---|
| 1 | <p>Understanding Cellular Function of the Human Body</p> <p><i>Pathophysiology The Biologic Basis for Disease in Adults and Children</i>, Chapters 1 and 2</p> <p>1-1 Discussion: Introduction</p> <p>1-2 Final Project Review</p> <p>1-3 Short Paper: Cellular Changes</p> |
| 2 | <p>Genes, Genetics, and Disease</p> <p><i>Pathophysiology The Biologic Basis for Disease in Adults and Children</i>, Chapters 4, 5, 6 and pages 1006-1007 in Chapter 31.</p> <p>2-1 Concept Map Activity: Queen Victoria</p> <p>2-2 Quiz: Knowledge Check</p> |

| Module | Topics and Assignments |
|--------|---|
| 3 | Disorders of the Hematologic System <i>Pathophysiology The Biologic Basis for Disease in Adults and Children</i> , Chapters 28, 29, 30, and 31 3-1 Discussion: Getting Your Feet Wet With Differential Diagnoses 3-2 SOAP Note Worksheet Reminder 3-3 Final Project Milestone One: Introduction |
| 4 | Disorders of the Cardiovascular and Lymphatic System <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 32, 33, and 34 4-1 Short Paper: Clinical Decision-Making 4-2 Quiz: Knowledge Check |
| 5 | Disorders of the Respiratory System and Fluid and Electrolyte Disturbances <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 3, 35, 36, and 37 5-1 SOAP Note Worksheet Reminder 5-2 Final Project Milestone Two: Assessment and Clinical-Decision Making |
| 6 | Disorders of the Gastrointestinal and Endocrine Systems <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 21, 22, 23, 41, 42, and 43 6-1 Group Discussion: Diagnostic Testing 6-2 Quiz: Knowledge Check |
| 7 | Disorders of the Renal and Urological Systems <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 38, 39, and 40 7-1 SOAP Note Worksheet Reminder 7-2 Final Project Milestone Three: Diagnostic Testing and SOAP Note Worksheet |
| 8 | Immune System, Disease, and Shock <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 7, 8, 9, 10, 11, 49, and 50 8-1 Group Discussion: Assessment and Treatment 8-2 Quiz: Knowledge Check |
| 9 | Disorders of the Nervous and Musculoskeletal Systems <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 15, 16, 17, 18, 20, 44, 45, and 46 9-1 SOAP Note Worksheet Submission 9-2 Final Project Submission: Case Analysis Presentation |
| 10 | Tumor Biology and Carcinogenesis <i>Pathophysiology: The Biologic Basis for Disease in Adults and Children</i> , Chapters 12, 13, and 14 10-1 Journal: Reflection 10-2 Quiz: Knowledge Check 10-3 ePortfolio Reminder |

Course Participation

Course participation is required within the first week of the term for all online courses. *Participation* in this context is defined as completing one graded assignment during the first week of the course. Otherwise, students will be administratively removed for nonparticipation. Students who do not participate during the first week may forfeit their rights to be reinstated into the course. Students who stop attending a course after the first week and who do

not officially withdraw will receive a grade calculated based on all submitted and missed graded assignments for the course. Missed assignments will earn a grade of zero. See the [course withdrawal policy](#) and the [full attendance policy](#) for further information.

Late Assignments

Students who need extra time may submit assignments (excluding discussion board postings) up to one week after the assignment due date. Discussion board submissions will not be accepted for credit after the deadline except in extenuating circumstances.

- A penalty of 10 percent of the total value of the assignment will be applied to the grade achieved on the late assignment regardless of the day of the week on which the work is submitted.
- Students who submit assignments more than one week late will receive a grade of zero on the assignment unless they have made prior arrangements with the instructor.

Students must submit all assignments no later than 11:59 p.m. (in their own time zone) on the last day of the term. No assignments are accepted after the last day of the term unless an incomplete has been submitted. See the [incomplete grades policy](#).

There may be times an instructor makes an exception to the late assignment policy. Instructors may accept late work, including discussion board posts, with or without prior arrangement.

- Exceptions to the late policy on these grounds are left to the instructor's discretion, including whether the late penalty is applied or waived. Students should not assume that they will be allowed to submit assignments after the due dates.
- If an instructor finds that they are unable to determine whether an exception to the late policy would be appropriate without documentation, the collection and review of student documentation should be handled through the Dispute Resolution team in order to protect the student's privacy. In these cases, students should file a [Student Concern Dispute form](#) to have the circumstances reviewed.

If a student is experiencing (or knows they will experience) a circumstance, including pregnancy, that is protected under the Americans with Disabilities Act or Title IX, they are encouraged to contact the [Online Accessibility Center \(OAC\)](#) as soon as possible to explore what academic accommodations might be offered. Instructors must honor all deadlines established through the OAC.

Student Handbook

Review the [student handbook](#).

ADA/504 Compliance Statement

Southern New Hampshire University (SNHU) is dedicated to providing equal access to individuals with disabilities in accordance with Section 504 of the Rehabilitation Act of 1973 and with Title III of the Americans with Disabilities Act (ADA) of 1990, as amended by the Americans with Disabilities Act Amendments Act (ADAAA) of 2008.

SNHU prohibits unlawful discrimination on the basis of disability and takes action to prevent such discrimination by providing reasonable accommodations to eligible individuals with disabilities. The university has adopted the

[ADA/504 Grievances Policy](#) (version 1.2 effective October 16, 2017), providing for prompt and equitable resolution of complaints regarding any action prohibited by Section 504 or the ADA.

For further information on accessibility support and services, visit the [Disability and Accessibility Services](#) webpage.

Academic Integrity Policy

Southern New Hampshire University requires all students to adhere to high standards of integrity in their academic work. Activities such as plagiarism and cheating are not condoned by the university. Review the [full academic integrity policy](#).

Copyright Policy

Southern New Hampshire University abides by the provisions of United States Copyright Act (Title 17 of the United States Code). Any person who infringes the copyright law is liable. Review the [full copyright policy](#).

Withdrawal Policy

Review the [full withdrawal policy](#).

Southern New Hampshire University Policies

More information about SNHU policies can be found on the [policy page](#).