

HSC 190 - Introduction to Human Pathophysiology
3 Credit Hours

Course Description:

This course assists students in understanding the relationship of normal body functioning and the physiologic changes that occur as a result of disease processes. It will cover how the body compensates for those changes brought about by disease. All body systems are explored.

Course Outcomes:

The student who successfully completes this course will be able to:

- Summarize physiological processes that support homeostasis in the human body.
- Describe risk factors that contribute to alteration in the normal physiology of the various body systems.
- Discuss selected pathophysiological processes.
- Correlate signs and symptoms of physiological alterations and the impact of these alterations on the normal physiologic processes in the body.
- Interpret diagnostic tests used to identify specific pathophysiological conditions.
- Identify treatment modalities used in the restoration and/or maintenance of health in selected case study clients.

Prerequisites and Corequisites:

BIOL 2010 & BIOL 2020. These courses must be taken before pathophysiology to ensure a basic understanding of normal body functioning that can be related to the changes that occur as a result of disease.

Course Topics:

The course content is presented in 12 sequential units: Introduction, Cell and Self Defense; Altered Status, Growth & Development; Blood & Lymphatic Disorders; Cardiovascular Disorders; Respiratory Disorders; Digestive System Disorders; Urinary System Disorders; Neurological Disorders; Endocrine Disorders; Musculoskeletal; Skin Disorders; & Reproductive System Disorders.

Required Textbooks:

Please visit the [Virtual Bookstore](#) to obtain textbook information for this course. Move your cursor over the "Books" link in the navigation bar and select "Textbooks & Course Materials." Select your Program, Term, Department, and Course; then select "Submit."

Hardware and Software Requirements:

Minimum hardware requirements can be found [here](#).

Minimum software requirements can be found [here](#).

Common applications you might need:

To read a PDF file download the latest version of [Adobe Reader here](#)

Don't have Microsoft Word? Explore an alternative [OpenOffice here](#)

Accessing a PowerPoint file? Download the [PowerPoint Viewer here](#)

Web Resources:

Purdue [OWL Online Writing Lab](#) (for APA, MLA, or Chicago style)

The Writing Center [Online Writer's Handbook](#)

Student Resources:

- Technical support information can be found on the [TN eCampus Help Desk](#) page.
- Smarthinking virtual tutoring is available **FREE** of charge. to access Smarthinking, visit the course homepage and select Smarthinking under Course Resources. You also view [sample sessions](#) to see what Smarthinking offers and how it works.
- Information on other student issues or concerns can be located on the [TN eCampus Student Resources](#) page.

Instructor Information:

Please see "Instructor Information" in the Getting Started Module for instructor contact information, virtual office hours, and other communication information. You can expect to receive a response from the instructor within 24-48 hours unless notified of extenuating circumstances.

Testing Procedures:

Students can obtain information about proctoring for mid-term and final exams [here](#).

Grading Procedures:

Course grades will be computed in the following manner:

Assignments and participation---36%
3% for each one of the 12 units

- 1% - submitting Pre-Quiz Assessment (PQA) to the Dropbox for each of 12 the units
- 1% - submitting Additional Resources Assignment (ARA) to the Dropbox for each of the 12 units
- 1% - posting response to Summary & Reflection and replying to at least 2 class

member's posting on Discussion Board for each of the 12 units

Timed quizzes ---12%

1% for the quiz in Assessments on each one of the 12 units

Proctored mid-term exam---26%

Proctored final exam---26%

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Assignments and Projects:

Each of the 12 sequential content modules will include an assessment of the student's knowledge of normal physiology and key terms, a reading assignment in the textbook, a written assignment from the instructor-prepared study guide, instructional slides, and evaluation of learning through quizzes and periodic proctored examinations. The student must secure an approved proctor and an approved proctor site prior to the Mid Term and Final examinations.

Class Participation:

Students must participate in all interactive aspects of the course. For example, students are expected to communicate with the instructor as a learning resource, students must check the course bulletin board frequently for announcements, students must check course email frequently for communications, and students must actively participate in threaded discussion events.

Late Policy:

Students will be expected to complete each course module no later than the weekly time frame as specified on the "Course Calendar". Modules may be completed prior to the specified time, but cannot be completed later than the specified time in order to receive credit for assignments and participation according to Grading Procedure as stated above.

Course Ground Rules:

The following two statements (1., 2.) were derived from the TBR System-wide Student Rules document, released January 2012:

RULES OF THE TENNESSEE BOARD OF REGENTS STATE UNIVERSITY AND
COMMUNITY COLLEGE SYSTEM OF TENNESSEE SYSTEMWIDE STUDENT RULES
CHAPTER 0240-02-03 STUDENT CONDUCT AND DISCIPLINARY SANCTIONS

[Read the document in its entirety here.](#)

1. Standards of Conduct:

- Students are required to adhere to the same professional, legal and ethical standards of conduct online as on campus. In addition, students should conform to generally

accepted standards of "netiquette" while sending e-mail, posting comments to the discussion board, and while participating in other means of communicating online. Specifically, students should refrain from inappropriate and/or offensive language, comments and actions.

2. [Review the TN eCampus Academic Integrity/Academic Honesty Policy:](#)

- In their academic activities, students are expected to maintain high standards of honesty and integrity. Academic dishonesty is prohibited.

Such conduct includes, but is not limited to:

- an attempt by one or more students to use unauthorized information in the taking of an exam
- to submit as one's own work, themes, reports, drawings, laboratory notes, computer programs, or other products prepared by another person,
- or to knowingly assist another student in obtaining or using unauthorized materials.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited.

Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are subject to disciplinary action through the regular procedures of the student's home institution. Refer to the student handbook provided by your home institution to review the student conduct policy.

In addition to other possible disciplinary sanctions that may be imposed, the instructor has the authority to assign an "F" or zero for an activity or to assign an "F" for the course.

Other Course Rules:

Students are expected to:

- Participate in all aspects of the course
- Communicate with other students
- Learn how to navigate in Brightspace
- Keep abreast of course announcements
- Use the assigned course management (Brightspace) email address rather than a personal email address
- Address technical problems immediately:
 - [Contact Technical Support](#)
 - [View Term Calendar here](#)
- Observe course netiquette at all times.

Guidelines for Communications:

Email:

- Always include a subject line.
- Remember without facial expressions some comments may be taken the wrong way. Be careful in wording your emails. Use of emoticons might be helpful in some cases.
- Use standard fonts.
- Do not send large attachments without permission.
- Special formatting such as centering, audio messages, tables, html, etc. should be avoided unless necessary to complete an assignment or other communication.
- Respect the privacy of other class members

Discussions:

- Review the discussion threads thoroughly before entering the discussion. Be a lurker then a discussant.
- Try to maintain threads by using the "Reply" button rather starting a new topic.
- Do not make insulting or inflammatory statements to other members of the discussion group. Be respectful of other's ideas.
- Be patient and read the comments of other group members thoroughly before entering your remarks.
- Be cooperative with group leaders in completing assigned tasks.
- Be positive and constructive in group discussions.
- Respond in a thoughtful and timely manner.

Library:

The [Tennessee Virtual Library](#) is available to all students enrolled in TN eCampus programs and courses. Links to library materials (such as electronic journals, databases, interlibrary loans, digital reserves, dictionaries, encyclopedias, maps, and librarian support) and Internet resources needed by learners to complete online assignments and as background reading will be included within the course modules. To access the Virtual Library, go to the course homepage and select the **Virtual Library** link under Course Resources.

Students with Disabilities:

Qualified students with disabilities will be provided reasonable and necessary academic accommodations if determined eligible by the appropriate disability services staff at their home

institution. Prior to granting disability accommodations in this course, the instructor must receive written verification of a student's eligibility for specific accommodations from the disability services staff at the home institution. It is the student's responsibility to initiate contact with their home institution's disability services staff and to follow the established procedures for having the accommodation notice sent to the instructor.

Syllabus Changes:

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

Disclaimer

The information contained in this syllabus is for general information purposes only. While we endeavor to keep this information up-to-date and accurate, there may be some discrepancies between this syllabus and the one found in your online course. The syllabus of record is the one found in your online course. Please make sure you read the syllabus in your course at the beginning of the semester. Questions regarding course content should be directed to your instructor.