

**Nashville State Community College**  
**Business, Management and Hospitality Division**  
**Healthcare Management**  
**Master Course Syllabus**  
**HCMT 2400 - Pathophysiology**

The purpose of the syllabus is to tell you how the course is organized, what the expectations are, and how you will be graded. In addition, there is important information about how the college will operate during severe weather and how the college will communicate with you. The syllabus is not a contract. Instead, it is meant to help you succeed in this course. If any of the content changes during the semester, you will be notified.

**Course information (100% Online):**

**Course Title: Pathophysiology**

**Credits: 4**

**Class Hours:4**

**Course Description:**

This course focuses on pathophysiology for general healthcare managers. An introduction to principles of general mechanisms of disease including etiology, prognosis, signs and symptoms. Relationship of normal body functioning to the physiologic changes that occur as a result of illness. Rationale for common therapies, laboratory tests and drugs for selected disease.

Prerequisite: BIOL 2010 with a grade of "C" or higher and Corequisite: BIOL 2020. (A grade of "C" or higher required if taken as a prerequisite)

A grade of "C" or better is required for all HCMT courses in order to progress in the program

**Instructor Information:**

**Name:**

**Email:**

**Mobile Phone:**

**Virtual Office Link:**

**Course Delivery Method**

**Online:** Course is fully online (**asynchronous**) and has no scheduled on-campus meeting requirements.

**Required Textbook(s) & Other Materials:**

**Textbook:** Essentials of Human Diseases and Conditions by Frazier, 7<sup>th</sup> edition, Elsevier

**ISBN:** 978-0-323-71267-5

**Reference Materials:** None

**Supplies:** None

Once you have registered for your courses, you should make sure you have the correct textbook and materials for each course. Before courses begin, you can do this by looking up your courses on the bookstore's website ( <https://www.bkstr.com/nscstore/shop/textbooks-and-course-materials> ) using your A# or by entering your course information. If you are registered with the Access Center and need an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3363, or [accesscenter@nsc.edu](mailto:accesscenter@nsc.edu)

**Honors Option:** Honors credit is available in some classes. If you are interested in participating in the Honors Program, please see your instructor within the first four weeks of class.

**Course Outcomes:** At the end of the semester, this is what you should know and/or be able to do:

- Demonstrate a basic understanding of the concepts and elements of disease
- Demonstrate an understanding of the mechanisms of diseases, the diagnosis of diseases, and treatment of diseases
- Understand the pharmacological treatment of diseases or conditions
- Discuss the common laboratory and diagnostic tests used for diseases or conditions

**Course Competencies:**

The following are detailed course competencies, or specific skills or knowledge, intended to help you achieve the course outcomes:

- Describe the difference between signs and symptoms of disease and acute and chronic disease
- Identify the predisposing factors of disease
- Track the essential steps in the diagnosis of disease
- List the possible causes of congenital anomalies
- Discuss the purpose of amniocentesis
- Distinguish between muscular dystrophy and cerebral palsy
- Name the functional components of the immune system
- Characterize the three major functions of the immune system
- Explain the difference between natural and acquired immunity
- Explain the ways that HIV is transmitted
- Describe the importance of hormones and explain some of the critical body functions that they control
- Compare gigantism to acromegaly

- Classify the two major types of diabetes mellitus
- Compare the conditions and causes of nystagmus with those of strabismus
- Name the possible causes of conjunctivitis
- Compare conductive hearing loss with sensorineural hearing loss
- Explain the functions of the skin
- Recognize common skin lesions
- Discuss the possible causes of contact dermatitis, atopic dermatitis, and psoriasis
- Distinguish between the features of lordosis, kyphosis, and scoliosis
- Differentiate between a strain and a sprain
- Discuss the importance of normal teeth and a normal bite
- Compare the causes of herpes simplex to the cause of thrush
- Distinguish between the patient with anorexia and the patient with bulimia
- Describe a hiatal hernia and distinguish among the types of abdominal hernias
- Explain the process of respiration
- Discuss the causes and medical treatment for the common cold, sinusitis, and pharyngitis
- Explain the difference between myocardial infarction and angina pectoris
- Explain what happens when the pumping action of the heart fails
- Compare arteriosclerosis with atherosclerosis
- Define anemia and list the presenting symptoms
- Explain the diagnostic value of urinalysis
- Describe diabetic nephropathy
- Define stress incontinence
- Identify risk factors for STDs
- Explain what is meant by a silent STD
- Explain how genital herpes is transmitted
- Explain the value of PSA as a screening test
- List some of the problems to which the nervous system is susceptible
- Name the common symptoms and signs of a CVA
- Define transient ischemic attack
- Describe three mechanisms of spinal injury
- Name some of the contributing factors to mental disorders
- Relate treatment options for alcohol abuse
- Name the classic signs and symptoms of schizophrenia
- Explain the difference between reactive depression and a major depressive disorder
- Explain how posttraumatic stress disorder differs from other anxiety disorders
- List the major types of trauma
- List environmental factors that may result in trauma
- Distinguish between an abrasion and an avulsion
- Explain the rules of nines
- Identify substances used to prevent or treat conditions or diseases

- Obtain a basic understanding of the need for various laboratory and diagnostic tests in the diagnosis and treatment of disease

The following are general education competencies intended to support the course outcomes:

- Know how to locate, evaluate, and use information resources
- Use critical thinking skills
- Write clear, well-organized documents

### **Topics to Be Covered:**

- Mechanisms of disease, diagnosis, and treatment
- Developmental, congenital, and childhood diseases and disorders
- Immunologic diseases and conditions
- Diseases and conditions of the endocrine system
- Disease and conditions of the eye and ear
- Disease and conditions of the integumentary system
- Disease and conditions of the musculoskeletal system
- Disease and conditions of the digestive system
- Disease and conditions of the respiratory system
- Disease and conditions of the circulatory system
- Disease and conditions of the urinary system
- Disease and conditions of the reproductive system
- Neurologic diseases and conditions
- Mental disorders
- Disorders and conditions resulting from trauma

**Course Assessments:** We will use the following assessments to demonstrate your understanding, knowledge, and skills:

### **Homework**

Homework can be found by clicking "Evaluations - Quizzes" on the Navigation Bar on the top of the course page. There is also a link on the content page by week. You will submit your homework within NS Online. Some homework assignments assigned will need to be submitted through the drop boxes in the Assignment link. A link will be included on the content page by week. There may be times that the link provided in the content by week MAY NOT work. If that is the case you can still access the homework by clicking on the "Evaluations- Quiz or "Assignment Dropbox" link at the top of the page on the navigation bar. Homework must be submitted to the instructor by the due date. Please do not wait until the last day to turn in homework because last minute computer problems could prevent you from getting the assignment in on time. Computer problems are not considered an excuse for late homework. **LATE HOMEWORK WILL NOT BE ACCEPTED AND WILL RECEIVE ZERO POINTS.**

## Discussions

Discussions (which you will access through the Discussion link) will include a current healthcare issue followed by discussion questions. You will be required to respond to the questions posed in the discussion link. **Discussions must be completed within the week they are open. If they are not done during this time frame you will receive Zero points.**

## Tests

There are 4 tests in this course. One (1) of the tests can be taken off campus non proctored through a lockdown browser and three (3) will need to be taken off campus through Respondus Webcam **OR** at the Testing Center at Nashville State Community College or a designated testing center approved by the instructor. **Proctored testing requires that you take your tests through "Respondus Webcam" which can be done off campus. Respondus Webcam requires that you have a computer with a camera. If you do not have a camera, you also have an option to take your proctored testing on campus to take your tests.** The Testing Center/Respondus Webcam staff have the passwords and will input for you so that you can access your tests. If you are coming to the White Bridge Campus, you will need to come to the Testing Center which is located in the Student Services Building. Testing Center policies require that you have a photo ID to take a test in the testing center. You should allow at least 1 hour to complete a test. Testing Center policies and hours for ALL campuses are listed at <https://www.nsc.edu/current-students/on-campus-resources/testing-center>. You must be in the Testing Center at least 1 hour before closing time or you will not be allowed to take the test. No children under 12 years of age will be allowed in the Testing Center while their parent is taking a test. **PLEASE NOTE: When taking a test at the Testing Center you will need to give them your course number (HCMT 2400), instructor name (Alvarado), and specific test number that you are taking for the course (Test#1 for Chapters 1, 2, 10; Test #3 for Chapters 3,6,7,8; Test #4 for Chapters 4, 9,11,12).** If you are taking this course at a distance and cannot come to the Nashville State Testing Center, it will be your responsibility to make arrangements for a proctored exam. Contact your instructor to discuss the matter.

## Testing Opt-Out Statement

Please note that some or all of the assessments in an NSOnline course may require the use of online video proctoring services. For these proctored assessments, students are required to have access to (1) a quiet, private, solitary setting in which to take the assessment, (2) a webcam either internal or external to their computers, (3) a microphone either internal or external to their computer, (4) a computer with admin privileges in order to download the appropriate browser and plug-in to operate the virtual proctor, and (5) a reliable internet connection.

Should students not have access to the technological requirements listed above, or should they simply prefer to have an in-person proctor, they may opt-out of the virtual proctoring requirement. Opting out of virtual proctoring will require that the student take the assessment in one of the [Nashville State's Testing Centers](#). In this case, the student will be required to schedule the assessment in accordance with Testing Center policies and adhere to all additional Testing Center procedures, protocols, and requirements.

If choosing to opt-out of virtual proctoring, students must complete the Virtual Proctoring Opt-Out Form using the link below at least ONE WEEK prior to the exam.

<https://nextgenso2.com/sp/startSSO.ping?PartnerIdpid=https://id.nsc.edu&SpSessionAuthnAdapterId=nscDF&TargetResource=https%3a%2f%2fdynamicforms.ngwebsolutions.com%2fSubmit%2fStart%2ff2ff913d-aa17-400a-bb72-01569d9c22bb>

**IF YOU ARE TAKING YOUR TESTS AT AN NSCC TESTING CENTER OTHER THAN THE WHITE BRIDGE CAMPUS PLEASE CHECK THE TESTING CENTER HOURS AT THAT PARTICULAR CENTER AS THEY DIFFER FROM THE WHITE BRIDGE CAMPUS TESTING CENTER HOURS.**

### Quizzes

There are 15 non proctored quizzes that can be taken off campus. The quizzes will be taken through NSOnline. The quizzes are short and are meant to quiz your knowledge on concepts that you have recently reviewed in the assigned chapters. They are meant to help you identify areas that you may need to go back and review prior to taking your tests. **These quizzes are timed, closed book, no note quizzes**

**WARNING:** When taking online tests and quizzes please be aware that the course software has a tracking feature that allows the Instructor to determine if you referred to course content material online while taking the test. Tests and quizzes are set by the instructor so they can't be printed. You are expected to adhere to the Honor Policy described below. You will need to read and sign an honor statement.

### Grading Policy:

Homework 15%

Discussions 15%

Quizzes 10%

Tests 60%

Test 1, Test 3, and 4 = 40%

Test 2 = 20%

Total 100%

### Grading Scale:

Letter Grade	Percentage Range
A	90-100%
B	80-89%
C	70-79%

Letter Grade	Percentage Range
D	65-69%
F	64% or below

## FA

If you stop attending class or if you are in an online class and stop submitting assignments, but do not turn in a withdrawal form by the deadline, you are still enrolled in class. You will be given a grade of FA, which means you have failed due to not attending class and not completing your assignments. Please refer to the current academic calendar available on the Nashville State web site, looking for the date that indicates it is the “Last Day to Earn F for Attendance (FA).” If you stop attending your course after this date, you will receive an F.

According to NSCC policy, an FA is awarded to students who do not officially withdraw from a course and do not attend after the cut-off date provided in the academic calendar. Please refer to the current academic calendar available on the Nashville State web site, looking for the date that indicates it is the “Last Day to Earn F for Attendance (FA).” Students who stop attending on or before this date receive an FA; students who stop attending after this date receive an F.

For online courses, attendance is defined by submission of assignments. Students who fail a course and whose last assignment is submitted on or before the FA date will earn an FA for the course. Students who fail a course and whose last assignment is submitted after the FA date will earn an F for the course. An FN is assigned to students who do not submit any assignments.

## FN

An FN is awarded if you have never attended your course or done any of the work in an online course.

### Late Work Policy & Make-up Procedures for Missed Assignments and Work:

- There are specific due dates set for homework assignments and exams. Homework due dates and test/quiz dates will be strictly adhered to and will not be extended. Failure to complete homework and exams by the due dates will result in a grade of zero for that assessment.
- **NO MAKE UP TESTS OR QUIZZES WILL BE GIVEN.** A grade of "zero" will be assigned for any test/quiz that has not been taken.
- Please check your weekly assignments and semester calendar to check dates that are the last acceptable dates for completing the tests and quizzes. **ALL DUE DATES ARE LISTED ON THE COURSE OUTLINE.** It is recommended that you print the course outline and semester calendar and keep a copy with your text materials.

## Attendance Policy

### General Policy

- *Absences in a course may affect your final grade.*
- *Tardiness may also affect your final grade.*
- *You are responsible for all work/tests that occur during any missed course session(s) regardless of reason(s) for absence.*
- *If you are not well enough to attend a course session (class), you must notify the instructor as soon as possible before the scheduled course time.*
  - *If you are unable to notify an instructor before the scheduled course time, you must contact the instructor as soon as reasonably possible.*
- *If you have an unavoidable conflict with a scheduled course session, you must notify the instructor before the course session.*
  - *If you are unable to notify an instructor before the scheduled course time, you must contact the instructor as soon as reasonably possible.*

### Instructor's Policy

The attendance policy for this course:

A student is expected to attend all scheduled classes and laboratories. Absences in a course may affect a student's final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade.

Attendance in this course is critical to success. There are specific due dates set for homework assignments and exams. **Homework due dates and test/quiz dates will be strictly adhered to and will not be extended. Failure to complete homework and exams by the due dates will result in a grade of zero for that assessment.** Online attendance is measured by submission of assignments and completing tests and quizzes. If a student does not submit their assignments or fails to take a quiz or test they will be considered absent (non participating). Simply logging in to the classroom does not count as attending. Students must **actively** participate (submit assignments as well as quizzes and tests) in the course to be considered attending.

In cases where student absences are the result of emergency circumstances (e.g. death in the family, a student's serious injury or incapacitating illness), for which the students are unable to make immediate contact with faculty, the students are unable to make immediate contact with faculty, the student may contact the Dean for Students Services Office for assistance in providing such immediate notification to faculty. However, the student remains responsible to verify the emergency circumstances to faculty and for discussing arrangements with faculty for completion of course work requirements. (Student Handbook)

If you decide to drop this class, please check the printed semester schedule or the NSCC website for the last day to withdraw and receive a "W". The drop date will also be noted on the



semester calendar for this course. You must complete an add/drop form or drop using MYNSCC before this date in order to receive a "W" rather than an "F".

**For financial aid** purposes, **attendance** is measured by participation in the course. Instructors can determine your level of participation in several ways. Some of those ways are:

- continued attendance
- participation in on-ground or virtual class sessions
- participating in D2L as prompted
- responding to an instructor's email
- posting to a discussion board
- completing and submitting assignments

### **Technology Statement**

- All classes at the College are web enhanced. "Web enhanced" means that components of the course, such as assignments and online discussions, may be located online in the class D2L/NS Online course shell and used in the course, even if the course meets in a classroom on ground.
- You must have access to a computer and an internet connection to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells.
- You may also be required to use free video conferencing platforms (examples: Zoom, Teams, etc.) for course sessions and meetings.
- You will be responsible for appropriate dress while on video. This means that you are expected to dress as if you were in a classroom.
- You will be responsible for a distraction free environment while on video. This means that the professor and others in the course should not be able to hear noise in your home, such as cell phones, TVs, or barking dogs. The best way to do this is to keep yourself on "mute" until you need to speak.
- You will be responsible for making sure your background is neutral. Keep in mind that students and professors come from all around the world, and you are all a part of our community. Therefore, please avoid having images in your background that may be offensive to your classmates.
- Certain publisher materials, such as textbook figures, may not work on cellphones and may require a laptop or a tablet.
- If you have questions or concerns regarding access to a computer or internet resources, please contact your instructor. Additional information is available on this website: [access to internet and technology website](#).

### **Computer Labs**

Computers are available for all Nashville State students to use at each campus during open hours. Open computer lab availability may vary from campus to campus.

You should check the NSCC website for current hours of operation.

## D2L/NS Online and myNSCC

It is your responsibility to check your email in **both** D2L/NS Online course shells and your @my.nsc.edu (student email) on a regular basis. These are the official communication channels between the college and you. You are responsible for the information communicated through these email channels. D2L/NS Online emails contain specific course information and @my.nsc.edu emails contain important information from college offices, such as Financial Aid.

## ADA Compliance Statement

If you need accommodations due to a disability, please do not hesitate to reach out to our Access Center. Disabilities for which you can receive accommodations include documented physical, emotional, and/or learning conditions. Nashville State is committed to supporting your success, and we encourage you to get assistance if needed. If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3363, or e-mail [accesscenter@nsc.edu](mailto:accesscenter@nsc.edu).

## Classroom Misconduct

Disruptive conduct is not allowed in the classroom. Disruptive conduct is any behavior that prevents students from learning and interferes with the ability of the instructor to teach. This may change from course to course; therefore, your individual instructors will give you guidance on what qualifies as “disruptive conduct” in their courses. Please review the [Nashville State Student Code of Conduct policy](#). Please be aware that children are not allowed in class or to be left unattended on campus.

## Academic Misconduct

You have started this academic journey to prepare for a future career. Because of this, it is important that you learn the materials being presented in your courses. For this reason, cheating, in any form, robs you of your opportunity to learn and master the material that will enable you to succeed in that future career. Nashville State has a clear [Academic Misconduct Policy](#) that you are expected to follow. In addition, your instructors will clarify what Academic Misconduct looks like and the consequences for violations in each course that you take. **The instructor has the authority to assign an “F” or a “zero” for such violations or for the semester grade.**

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. “Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words (A Writer’s Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else’s work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor’s permission, allowing someone else to

copy or use your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature.

### **Academic Early Alert System**

If you are not doing well in your course, your instructor may send you an Early Alert through your @my.nsc.edu email. This email will go to your academic advisor and Student Success advisor, as well. If you get an Early Alert, contact your instructor immediately. Instructors send these when they want to help you figure out how to get extra support to pass the course. An Early Alert does not mean that you have already failed the course. Rather, it means you are in danger of failing the course if you do not change your learning strategy. Please use an Early Alert to your advantage and as an opportunity to improve your grade.

### **RAVE Emergency Alert System**

You can log in to this free alert system to receive text messages about emergencies related to NSCC campuses: <https://www.getrave.com/login/nsc>. The instructions for this are listed below.

- Your RAVE Username is your NSCC email address.
- If you've never received an email from RAVE with your password, or if you need to reset your password, select "Forgot your password?" and a new password will be emailed to you.
- Should the RAVE system indicate "user not found", select Register and create your own RAVE account.

### **Student Wellness**

Your well-being is important to us. With this in mind, the college has several resources available to provide support when needed:

- [Free tutoring](#) provides assistance beyond the classroom to help you make the most of your college education.
- [These resources](#) include NSCC email, scheduling, online courses, textbooks, tech check out and support, computer labs on campuses, academic advising, financial advising, COVID-19 information and procedures on campuses.
- [Services](#) that help with bus passes, food, childcare, textbooks, housing, financial counseling, personal counseling, suicide prevention, health insurance.

### **Equity Statement**

We are taking steps to become more aware of the many different needs of students. Faculty, staff and administrators are committed to helping students find ways to meet their needs so that ALL students can reach their goals. Please ask for things you need.

### **Inclement Weather & Campus Closings**

You get notices about campus closings in these places: text messages from RAVE and [www.nsc.edu](http://www.nsc.edu).

Even when campuses are closed, you are still responsible for completing all assigned work. Check D2L/NS Online for a message from your instructor so you do not miss important assignments and due dates, which may change due to the campus closure.

### **Class Cancellation Policy**

Our instructors post messages about cancelling classes in the D2L/NSOnline course shells and/or on the classroom door on campus. These messages can be found in the News and Content section or the Email tab in the online shell. Please check these to be sure that you take advantage of opportunities for learning and points toward your grade.