Nashville State Community College
Business & Applied Arts Division
Healthcare Management

Master Course Syllabus

This master course syllabus is meant simply as a guide and overview of the course. Each instructor will further clarify their criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her course syllabus.

Course Title: HCM 2800, 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 and HCM 2800 (A grade of "C" or higher required if taken as a prerequisite)

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

Instructor Information:
Name: Eleonora Alvarado
Email: eli.alvarado@nscc.edu
Office Phone: 615-353-3705
Office Location: C237H
Office Hours: TBA

Textbook and Other Materials:
Reference Materials: None
Supplies: None

Course Outcomes:
Upon successful completion of this course, students should be able to:

- 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 intended to support 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:
The following performance assessments will be used to demonstrate students’ understanding, knowledge and skills:

Assignments   10%
Quizzes        25%
Grading Policy:
- 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.

Grading Scale:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
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<tr>
<td>B</td>
<td>80-89%</td>
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<tr>
<td>C</td>
<td>70-79%</td>
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<tr>
<td>D</td>
<td>65-69%</td>
</tr>
<tr>
<td>F</td>
<td>64% or below</td>
</tr>
</tbody>
</table>

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.

Attendance Policy
A student is expected to attend all scheduled classes and laboratories. Each instructor will formulate an attendance policy and provide it on the course syllabus. Absences are counted from the first scheduled meeting of the class, and it is the responsibility of each student to know the attendance policy of each instructor in whose class he/she is enrolled. If a student is absent from a class, he/she should give an advanced explanation to the instructor. 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.

Failure to attend class will result in a final course grade of “FA” or “FN” (see explanation below) depending on the individual instructor’s course policy.

FA= failure, attendance-related (unofficial withdrawal) Last recorded date of attendance required.
FN= failure, never attended class (unofficial withdrawal)
Student Communication Channels
It is the student’s responsibility to check D2L and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. D2L contains specific course information and MyNSCC contains information important for other purposes.

ADA Compliance Statement
Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Student Disabilities Office at 615.353.3721.

Classroom Misconduct
Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. Please consult your Student Handbook for more specific details.

The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or in conduct which violates the general rules and regulations of the College.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.).

Please be aware that children are not allowed in class or unattended on campus.

Academic Dishonesty (Honor Code)
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.
In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an “F” or a “Zero” for the exercise, paper, or examination or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.

**Inclement Weather Policy**
In the event of an inclement weather event, check the Nashville State web site home page at www.nscc.edu for announcements on campus closures. Campus closures will also be announced on local television stations (channels 2, 4, 5, and 17).

When classes are cancelled, an online assignment will be posted in NS Online. Check your NS Online email for a message from your instructor regarding your online assignment requirements. Even though classes may be cancelled, some areas, i.e. Testing Center, may be open. However, you should check before commuting to campus.

The Vice President for Academic Affairs and the Director of Security are responsible for cancellation decisions during an inclement weather event for the Nashville State main campus and the Southeast campus. Cookeville, Waverly, and Dickson Campus Directors will make class cancellation decisions based on conditions in their respective areas. Decisions about class cancellations are based on actual conditions, not forecasts. The perspective used for making decisions is that of the college as an employer, not as a K-12 institution. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.