

MARTIN COMMUNITY COLLEGE
COURSE SYLLABUS
Semester/Year: Spring 2011

COURSE NUMBER: PTA 170 (5W1)

INSTRUCTOR: Dawn Parker

COURSE TITLE: Pathophysiology

OFFICE NO: Building 3, Room 45

CREDIT HOURS: 3

OFFICE/VIRTUAL HOURS: TTh 1:00 – 3:00

CONTACT HRS/WK: 3

PHONE NO: 252-789-0272

PREREQUISITES: Enrollment in the Physical Therapist Assistant Program

FAX: 252-792-0826

COREQUISITES: None

E-MAIL: dparker@martincc.edu

COURSE DESCRIPTION:

This course is a survey of basic pathology with emphasis on conditions most frequently observed and treated in physical therapy. Topics include etiology, pathology, manifestation, treatment, and prognosis. Upon completion, students should be able to explain repair processes, categorize diseases, define pathology, identify organ/body systems involved, and discuss treatment and prognosis.

PROGRAM LEARNING OUTCOMES:

1. Perform duties and patient care activities appropriate for a skilled PTA.
2. Apply the knowledge, skills and techniques learned in the PTA didactic courses to safe and effective patient care.
3. Recognize the needs of the patient, family and caregivers as well as document changes in the patient's condition and communicate these changes to the PT.
4. Effectively and accurately communicate information relevant to patient status, progress, and safety in the patient's record, to the supervising physical therapist and with the patient's health care team.
5. Demonstrate ethical, legal, safe, and professional conduct appropriate in a health care setting.

COURSE LEARNING OUTCOMES:

1. Properly use the terminology associated with basic pathology.
2. Discuss the etiology, pathology, manifestation, treatment and prognosis of various diseases and syndromes.
3. Explain repair processes and the relevance of physical therapy for various diseases and syndromes.

REQUIRED TEXTBOOKS: Gould, Barbara E. (2006). Pathophysiology for the health professional (4th ed.). Philadelphia: Saunders. ISBN: 1-4160-0210-3

SUPPLEMENTAL RESOURCES: None

LEARNING/TEACHING METHODS: Lecture, Audio Visuals, Power Point Presentations, Internet, Outside Reading Assignments.

ASSESSMENTS/METHODS OF EVALUATION:

1. Written exams: 60%
2. Quizzes: Averaged with assignments for an exam grade. The two lowest grades will be dropped.
3. Assignments: Averaged with quizzes for an exam grade.
4. Drug project (including outside reading): 20%
5. Research Paper and Presentation (including outside reading): 20%

GRADING POLICY:

A = 100-93
B = 92-85
C = 84-77
D = 76-69
F = 68 or below

Students must maintain at least an average of 77% in this class to remain in the PTA Program.

COURSE OUTLINE:

WEEK ONE: Introduction to Pathophysiology
Inflammation and Healing

WEEK TWO: Immunity and Abnormal Response
Infection

WEEK THREE: Neoplasms

WEEK FIVE: Fluid, Electrolyte, and Acid-Base Imbalances
Congenital and Genetic Disorders
Diseases Associated with Adolescence

WEEK SIX: The Relationship Between Pregnancy and Disease
Aging and The Disease Process

WEEK SEVEN: Effects of Immobility
The Influence of Stress

WEEK EIGHT: Pain
Substance Abuse
Environmental Hazards

WEEK TEN: Introduction to Basic Pharmacology and Selected Therapies
Blood and Lymphatic Disorders
Cardiovascular Disorders

WEEK ELEVEN: Respiratory Disorders
Digestive System Disorders
Urinary System Disorders

WEEK FOURTEEN: Acute Neurological Disorders
Chronic Neurological Disorders
Disorders of the Eye and Ear
Endocrine Disorders

WEEK FIFTEEN: Musculoskeletal Disorders
Skin Disorders
Reproductive System Disorders

STUDENT ATTENDANCE POLICY: The College has a specific absence policy for all courses, which states that students are expected to attend a minimum of 80% of the total hours of the course, which includes classes, labs, and shops. Students must be present at least one class during the first 10% of a course in order to be considered enrolled in the class. If a student has not attended at least one class by the 10% census date, the instructor will administratively withdraw the student. This program abides by the MCC policy. When an absence is unavoidable in a program course, the student is to notify the class instructor by telephone prior to the

scheduled class time as to the reason for the absence. Upon return, the student is to meet personally with that instructor to discuss the class(es) missed and identify make-up work. This is the student's responsibility and must be done in a timely manner.

Experience has shown that a person with frequent absences or tardy arrivals as a student demonstrates this same behavior as a worker. A potential employer usually inquires as to the student's behavior in regard to absences or tardiness as it reflects a possible problem as a worker. In a physical therapy department, workers depend on each other to be present and on time to get the work done without imposing a hardship or overload on others. The PTA Program is preparing you to be employed in physical therapy departments. We want you to be dependable and reliable as employees, thus as students.

In compliance with G.S. 115D-5, MCC policy permits a student to be excused, with the opportunity to make-up any test or other missed work, a minimum of two excused absences per academic year for religious observances required by the student's faith. The policy limits the excused absences to a maximum of two days per academic year.

Students who wish to be excused for a Religious Observance required by their faith must complete and submit a request form to the instructor(s) prior to the census date of each class. ***The Request for Excused Absences for Religious Observances*** form can be picked up from Student Services. This does not supersede the college-wide attendance policy as outlined in the college catalog or syllabus, with the exception of a reasonable accommodation for the make-up of missed course work.

COURSE POLICIES:

Make-up of Assignments/Exams: You are expected to take all examinations on the date the examination is given. If you miss an exam (only for extreme emergency circumstances) you must discuss with the instructor and arrange when the exam will be taken with the instructor PRIOR to the examination. Exams must be taken prior to the next scheduled class session. There will be no make-up of missed quizzes, with the exception of absences for religious observances. Exams not taken according to this course policy may result in a grade of zero for the exam. Assignments are due on the date assigned. A letter grade will be deducted for each day that an assignment is late. After three days late, you will receive a zero for the assignment.

Ethical Violations: Students found cheating on a quiz, exam or practical will receive an F for the course and be dismissed from the program.

Cell Phones: Cell phones are to be turned on silent or vibrate during class time. If you must answer a call, quietly excuse yourself from the classroom. The cell phone MUST be turned completely off during quizzes or exams.

If you cannot reach your instructor, you may contact Dr. Phyllis Broughton, Dean of Academic Affairs and Student Services at (252)789-0246 by phone, pbroughton@martincc.edu by e-mail, or in person at her office in Building 2, Room 33.

To access the Martin Community College Career Catalog for policies and curriculum requirements, please go online to www.martincc.edu.

If you have a need for a disability-related accommodation, please notify the Student Services counselor at (252) 792-1521, ext. 293.

