

MARTIN COMMUNITY COLLEGE
COURSE SYLLABUS
Semester/Year: Fall 2011

COURSE NUMBER: PTA 150 60

INSTRUCTOR: Dawn Parker, PTA, ACCE

COURSE TITLE: Physical Therapy Procedures II

OFFICE NO: Building 3, Room 45

CREDIT HOURS: 3

OFFICE/VIRTUAL HOURS: Th 1:00-3:00

CONTACT HRS/WK: 7 (1 class, 6 lab)

PHONE NO: 252-789-0272

PREREQUISITES: PTA 130

FAX: 252-792-0826

COREQUISITES: NONE

E-MAIL: dparker@martincc.edu

COURSE DESCRIPTION: This course is a continuation of PTA 130, emphasizing the theory and practice of electrotherapy, ultraviolet, hydrotherapy, wound care and burn care, and deep heating modalities. Topics include application of deep heating modalities, aquatic therapy, edema reduction, high and low frequency electrical currents, and biofeedback. Upon completion of this course, students should be able to apply these modalities and treatment techniques effectively and safely and demonstrate knowledge of physiological principles involved.

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 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. Demonstrate knowledge of indications, contraindications, physiological effects and therapeutic benefit of applications of deep heat, ultraviolet light, mechanical cervical and lumbar traction, electrical stimulation, compression pumps, and biofeedback used in physical therapy.
2. Indicate knowledge of indications, contraindications, physiological effects and therapeutic benefit of applications of hydrotherapy, aquatics, wound/burn care, and topical dressings and implement a treatment plan to incorporate these interventions.
3. Write effective documentation in the SOAP format which relates information regarding the use and application of the above mentioned modalities and treatment techniques.

REQUIRED TEXTBOOKS: : (1) Hecox, Mehreteab, Weisberg, and Sanko (2006). Integrating physical agents in rehabilitation (2nd ed.). Upper Saddle River, NJ: Pearson Prentice Hall. ISBN: 0-8385-8132-3. (2) Baldwin, Kathleen. (2003). Wound care made incredibly easy. Philadelphia: Lippincott, Williams, and Wilkins. ISBN: 1-58255-226-6.

SUPPLEMENTAL RESOURCRS: Cameron, M.H. (2003). Physical agents in rehabilitation: From research to practice (2nd ed.). St. Louis: Saunders. ISBN: 0-7216-9378-4.

LEARNING/TEACHING METHODS: Lecture, Hands-on Activities, Simulations, Outside Reading Assignments

ASSESSMENTS/METHODS OF EVALUATION:

1. Quizzes and Assignments: All will be averaged as an exam grade. I will drop the two lowest quiz grades.
2. Written Exams: 60%
3. Practical Exams: 40%
4. Journal Article/ Outside Reading Assignments: Included in practical exam average

GRADING POLICY:

- A 93-100
- B 85-92
- C 84-77
- D 70-76
- F below 69

All objectives in this course are measured by written and practical exams with an acceptable score being no less than 77%.

COURSE OUTLINE:

- Week One: Spinal Traction: Chapter 9
Intermittent Compression Pump: Chapter 8
- Week Two: Hydrotherapy and Aquatics: Chapter 3
- Week Three: Electromagnetic Spectrum: Chapter 7
Ultraviolet Radiation: Chapter 7
- Week Four: Low-Level Laser Therapy: Chapter 28
Continuous Passive Motion: Handouts
Wound Care: Guest Presenter
- Week Five: Therapeutic Electricity: Chapter 18
Electrophysiology: Chapter 19
- Week Six: Electrical Stimulation: Chapter 20
Wound Care: Guest Presenter
- Week Seven: Transcutaneous Electrical Nerve Stimulation: Chapter 11
Interferential Stimulation: Chapter 12
Wound Care: Guest Presenter
- Week Eight: High-Voltage Pulsed Current: Chapter 14
Iontophoresis: Chapter 13
Clinical Electroneuromyography: Chapter 23
Wound Care: Guest Presenter

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. Attendance will be taken at seated class meetings.

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 Policy: Make-up exams are allowed at the discretion of the instructor. Contact the instructor BEFORE the exam. Exams will be taken on the first day you return to class following an EXCUSED absence. Assignments are due on the date assigned. A letter grade will be deducted for each day that an assignment is late. There will be NO make-up quizzes.

Ethical Violation: Any student found cheating on an exam will receive a "F" for the course, and be dismissed from the program.

Plagiarism: Any student caught plagiarizing a paper will receive a zero for the assignment and possible disciplinary action.

Cell Phones: Cell phones must be kept on silent or vibrate during class. There is to be NO texting during class, and if you MUST answer your phone, you should excuse yourself from the class quietly.

If you cannot reach your instructor, you may contact the Dean of Academic Affairs and Student Services at 252-789-0246.

If you have a need for a disability-related accommodation, please notify the Student Services counselor at 252-789-0293.