

GENERAL COURSE INFORMATION:**Course Title:**Physiotherapy I**Trimester Credit Hours:** 4**Course Director:** Marc A. Kearsing D.C.**Email Address:**mkearsing@parkercc.edu**Phone number (972) 438-6932 x 7341****Office Hours:** Mon, Tues, Wed 12-1, Thurs 10-11 & 12-1**Lab Director/Instructors:** Marc A. Kearsing D.C.**Course Number:** CHSC 6202**Total Contact Hours Per Trimester:** 75**Class meeting time:**11-11:50 am, Tu,W,Th**Lab Hours Per Week:** 2**Lab Contact Hours/Trimester:** 30**COURSE DESCRIPTION:**

Physiotherapy modalities such as heat, cold, electrotherapy, hydrotherapy, traction, massage and light therapy are healing adjuncts to the chiropractic adjustment. While emphasis is placed on the safe application of these modalities, the course also covers an explanation of the underlying physics of each modality and instructs the student in the static and dynamic neuromuscular relationships that will be the basis of passive and active care therapies in future courses. The course will focus on the rationale and appropriate selection of therapy for selected conditions.

LEARNING OBJECTIVES:

At the completion of this course, the student should:

1. Students will recognize the indications of adhesions and scar tissue formation associated with orthopedic trauma.
2. Students will identify complicating factors that will prolong healing and therefore care.
3. Define, diagnose and treat spinal trauma with an emphasis on passive care modalities.
4. Recognize physiological phases of soft tissue repair.
5. Correctly establish the presence of physiological contraindication of each phase.
6. Be Able to select safe & effective procedures for each phase.
7. To teach proper patient case management, regarding acute and post-acute, and chronic care.
8. Assign and bill CPT and ICD-9 codes for diagnosis and treatment.

Lab Objectives: At the completion of this course, the student should be able to:

1. The student will demonstrate the correct application of static ice and ice massage.
2. The student will demonstrate the correct application of superficial heat and paraffin.
3. The student will demonstrate the correct application of ultrasound diathermy.
4. The student will demonstrate the correct application of muscle stimulation.
5. The student will demonstrate the correct application of hi-volt.
6. The student will demonstrate the correct application of ultrasound combo.
7. The student will demonstrate the correct application of interferential current.
8. the student will demonstrate the correct application of pre-modulated interferential current.
9. The student will demonstrate the correct application of TENS.

10. The student will demonstrate the correct application of microcurrent.
11. The student will demonstrate correctly the setup and positioning for decompression traction.

GENERAL APPROACH TO TEACHING: The course will be comprised of three one hour lectures per week and one two hour lab per week. Lab will consist of an explanation of the modality, a demonstration and then the student is expected to practice the therapy to attain an adequate understanding and skill in application.

PREREQUISITES: enrollment in Parker College of Chiropractic, Neuroscience II, Pathology II

REQUIRED TEXTBOOKS:

Applied Physiotherapeutics

Jaskoviak

RECOMMENDED ADDITIONAL TEXTBOOKS:

Rehabilitation of the Spine

Liebenson

DISCLAIMER

The lecture outlines contained in the lecture booklet are NOT intended to represent the entire content of the course. A lecture outline is intended to be a guide to the lecture. The responsibility of the instructor is to follow the outline, expand the concepts and give explanation and illustrations to clarify content. The role of the student is to attend lecture and take notes over material presented by the lecturer that explains and illustrates the material listed in the outline. It is also the responsibility of the student to question the instructor if explanations and illustrations are not clearly presented or understood. The instructors take no responsibility for the accuracy or completeness of old notes, quiz questions or exam questions that students may purchase or may be given by previous students

SUPPLIES: 4 electrode pads, gown

EVALUATION AND GRADING POLICY:

- a. Lab Practical I - 15%
 - b. Lab Practical II - 15%
 - In lab practical's – 25%
 - c. Exam I – 10%
 - d. Exam II – 10%
 - e. Final Exam – 25%
1. Lab Practical I will test over physical therapy heat, cold and deep heating modalities , with a written portion
Lab Practical II will test over electrical modalities and will most likely be comprehensive for the course.
In lab practical's will test over all modalities as the trimester progresses, there will be 5 in lab practical's at 5% each.
 2. Exam I and II is a written comprehensive examination over lab and lecture topics; modalities, assessment protocols, physiology and contraindications. Consisting of approximately 50-75

questions of a combination of case studies, multiple choice, fill-in-the-blank, true/false or essay.

3. Final is a written comprehensive examination consisting of approximately 100 questions. Same format.

A = 89.5 and above

B = 79.5 -89.4

C = 69.5-79.4

F = 69.4 or less

ESTIMATE OF STUDENT WORK LOAD: Physiotherapy I is an all inclusive course of passive therapies with a great deal of information. Students should plan on spending one hour a day studying the information presented in lab and lecture.

STUDENTS WITH SPECIAL NEEDS: If you have a Parker College of Chiropractic recognized and authorized learning disability, please bring this to the instructors' attention immediately so that measures can be taken to accommodate your academic needs.

EXAMINATIONS: Make-up Exams/Lab Practicals

You must be on time for the Exam or Lab Practical as no Exams are passed out once the first student leaves the exam room. Exams/Lab Practicals are scheduled well in advance so that students can plan appropriately. If a student must be absent from an exam/lab practical, it is the student's responsibility to notify the Course Director no later than the scheduled starting time of the exam/lab practical. Failure to notify the Course Director could result in the student receiving a grade of "0" for the missed exam/lab practical. (See missed exam policy below)

Exam dates can only be changed by the course director, under the direct guidance of the trimester faculty coordinator.

MISSED EXAM POLICY:

If a student has to miss any written exam or lab practical exam, the course director must be notified PRIOR to the exam unless the student is physically incapable of notifying the course director and then written documentation must be provided to this effect. Notification of the course director should be done by email or a phone call to that faculty member. If a student fails to notify the course director before the exam (or in the case of documented physical incapacitation within a 24-hour period of a missed exam) the exam grade will be calculated as a zero.

With documentation of extenuating circumstances for missing a written exam, faculty may either give a written make-up (multiple choice, true/false, essay, etc.) or move the points to the final exam. The make-up exam (which will be a different exam and may or may not be of the same level of difficulty as the exam given to the rest of the class) must be taken within 5 business days of the missed exam unless the student is physically incapable of doing so or unless other arrangements are made by the course director. The exam time will be scheduled at the discretion of the course director.

With documentation of extenuating circumstances for missing a lab practical, points may be moved to the final lab practical or student must take a make-up lab practical (which will be a different lab practical and may or may not be of the same level of difficulty as the lab practical given to the rest of the class) within 5 business days unless the student is physically incapable of doing so or unless other arrangements are made by the course director. The time of the make up lab practical will be scheduled at the discretion of the course director.

VACATION, LEISURE TRAVEL, SEMINAR ATTENDANCE, OVER SLEEPING, FORGETTING WHEN THE EXAM IS, STUCK IN TRAFFIC, etc. DO NOT CONSTITUTE EXTRA ORDINARY OR EXTENUATING CIRCUMSTANCES FOR MISSING AN EXAM.

LABORATORY:

Students must attend the lab they are assigned to and attendance is mandatory. You must sign the roll sheet at the beginning of each lab session to be counted present for that lab. It is your responsibility to find and sign the roll sheet. If you have to miss a lab or if you need to switch labs, you must obtain permission from the Lab Director. No one else may grant permission to switch labs.

OPEN LABS: Open labs will be provided when possible and at students request.

Open review labs are held on times to be announced each trimester. Exact times may vary and exact times WBA. Lab equipment may not be taken from the lab room.

EXTRA CREDIT: None

LECTURE EXAM REVIEW:

The review period for each exam will begin after the posting of the grades and last for five working days only, excluding weekends and holidays. Questions about the final exam and/or final course grades must be reviewed with the Course Director by 3:00 p.m. the third day of the new trimester.

CLASSROOM BEHAVIOR:

Parker College of Chiropractic is a private first professional degree granting institution. As such, we expect our students and faculty to conduct themselves with honesty and integrity. Therefore, each student is expected to uphold high ethical standards both inside and outside of the classroom. The classroom should be an environment for learning; behavior that is considered disruptive by the course director, behavior that in the eyes of the receiver belittles another, or behavior which discourages others from achieving their academic goals has no place and will not be tolerated in the classroom. Individuals engaging in this type of behaviors will asked to leave the classroom. Repeat offenders will be referred to the Department Chairperson and may face penalties that could include suspension from the Institution.

PROFESSIONAL DECORUM:

Students are expected to behave in a professional manner at all times. Positive contributions to the learning environment and participation in classroom learning activities are expected. Students should demonstrate courtesy to the instructor, to special guest speakers, and to other classmates. Focusing your attention on anything other than pertinent classroom material could be considered discourteous. Any person who is discourteous or disrupts the class with unprofessional conduct may be asked to leave the classroom and will be counted absent for that class period. Cell phones and pagers should be turned off while in the classroom.

ACADEMIC DISHONESTY:

Academic dishonesty is directly counter to the goals and ideals of every academic institution and will not be tolerated at Parker College of Chiropractic. A substantiated allegation of academic dishonesty brought against a student may result in dismissal from the institution. Appropriate designated individuals within the Institution will judge cases of alleged academic dishonesty according to the principles, policies and procedures outlined in the Student Handbook.

Cheating on quizzes, assignments, exams, and/or lab practicals will not be tolerated.

Cheating is defined as an individual or group activity for the purpose of dishonestly obtaining and/or distributing testable information prior to, during, or after an examination. Examples of dishonest activities include, but are not limited to:

- a. Looking at an examination paper or answer sheet of another students during the course of an examination.
- b. Obtaining unauthorized information about the exam prior to the administration of the exam.
- c. Possessing or distributing an exam prior to its administration, without the express written permission of the instructor.
- d. Using any unauthorized materials or equipment during an examination.
- e. Giving or receiving any form of unauthorized aid while completing any of the requirements for this course.
- f. Giving answers to other students during an exam.
- g. Cooperating or aiding in any of the above

Students must read and sign the cover page present on all exams prior to taking the examination. The cover sheet contains a more inclusive list of what will be considered dishonest academic behavior. This cover sheet must be submitted when student turns in their exam or exam answer sheet.

Plagiarism will not be tolerated. Plagiarism is defined as any attempt to represent the words or ideas (whether published or unpublished) as one's own. Examples of such activities include, but are not limited to, the following:

- a. Using the words of a published source in a written exercise without appropriate documentation.

- b. Presenting as one's own original concepts, ideas, and/or arguments of another source.
- c. Presenting as one's own another's scientific research, case studies, etc. without properly acknowledging the source of the material.
- d. Any student(s) violating this policy will be subject to the policy on academic dishonesty.

Alteration or falsification of records will not be tolerated.

Examples include but are not limited to:

- a. Signing another student's name on the class roll sheet
- b. Changing an answer to an already graded exam in order to falsely negotiate for a higher grade.
- c. Altering entries in any way in any college record

Sabotage will not be tolerated.

Examples include but are not limited to, the following:

- a. Stealing, destroying or altering another's academic work.

Substitution will not be tolerated.

Substitution is defined as using a proxy or acting as a proxy in an academic exercise.

Examples include, but are not limited to, the following:

- a. Taking an examination for another student.
- b. Doing homework assignments for another student.
- c. Using someone else's homework assignment and substituting it for your own original work.

The course director, upon becoming aware of a possible instance of academic dishonesty shall:

1. Notify the student of the charge against him/her.
2. Determine whether in the faculty member's view the student is guilty of the infraction; if so will report the infraction to the appropriate Department Chair person at which time one or more of the following courses of action may be taken:
 - a. the case may be decided and dealt with on the instructor level in cases of minor infractions.
 - b. in cases of more severe infraction the case will be referred to the Dean of Academic Affairs where the case may be referred on to the Dean of Students and determination will then be made whether the case warrants being brought before the Academic and Professional Standards Committee.

One or more of the following penalties may be imposed once academic dishonesty has been substantiated:

- a. A written record of the infraction will be included in the student's permanent file.
- b. A failing grade on the exam, lab practical, paper or project.

- c. A failing grade in the course.
- d. Suspension from the Institution.
- e. Permanent dismissal from the Institution.
- f. Exclusion from participation in any extracurricular activities of the Institution

Any writing, erasures, marks, etc. on a scantron sheet submitted by the student for any exam/lab practical/quiz, etc., other than those marks or erasures directly pertaining to the marking of the bubbles on the scantron sheet will be considered cheating and if discovered, the student will receive a grade of zero on that exam/ lab practical/quiz and appropriate disciplinary action will be taken which could result in the student being dismissed from the college.

ATTENDANCE POLICY:

Course Specific Changes to Attendance and Grading Policy:

Attendance roll sheets are passed out at the beginning of each class. To be counted present for a class you must be present, in your seat and you must sign the roll sheet when the roll sheet comes past your seat. Roll sheets will be picked up by the instructor once they have passed through all rows of the classroom. No student will be allowed to sign the roll sheet once it is picked up by the instructor. It is the student's responsibility to be on time and in their seats when the class starts and the roll sheets are passed out. Students who miss more than 20% of class including lecture and lab will lose one letter grade from their final average. Students missing 50% or more of lecture and lab will be given a grade of "F". Tardiness is disruptive to the class and the instructor. Each student should make every attempt to get to class on time. A professor may refuse to allow a tardy student to enter the classroom. A student who is tardy to a class and does not sign the roll sheet when it passes his/her seat will be counted absent for that class period.

- Physiotherapy skills must be practiced to attain mastery. For this reason, lab participation is a requirement for this course. Occasional absences are unavoidable. Labs may be rescheduled to be made up in the following lab, but only through instructor agreement. If the lab is not made up, the student will receive a zero for any assignments or quizzes given during that scheduled lab topic. Assignments and quizzes may only be made up during the week of that particular topic unless prior arrangements are made with the instructor. If no arrangement is made, the student will receive a zero.

Each lab begins with a demonstration of the skill for that week. If the demonstration is delayed waiting for late students, this holds up the entire class. Or when a student arrives during the middle of the demonstration, this is very disruptive to learning. For this reason, roll is taken verbally at the beginning of the two hour lab. Students who are present on time will receive the full 2 hour lab credit. Students who arrive after roll has been taken, should enter quietly and not interrupt the lab demonstration. Once the class pairs up for the 'round robin' practice session, it is the student's responsibility to let me know you are present, and I will record credit for lab that week. If you are going to be late to lab, you may be better off coming to a different lab section **on time** in order to finish lab assignments and gain credit for their completion.

ATTENDANCE POLICIES FOR Physiotherapy I can be found on the common policies for student website.

ABSENCES FOR RELIGIOUS HOLIDAYS:

Parker College will excuse students from attending classes and other required activities for the observance of religious holidays, including travel for that purpose.

A religious holiday means a day of observance by a religion whose places of worship is exempt from property taxation under Section 11.20 of the Texas Tax Code (or would be exempt if the place of worship was located in Texas).

A student whose absence is excused under this policy may not be penalized. Those students will be allowed to take examinations or complete any assignments they missed due to observance of the religious holy day (see missed exam policy). With the student's agreement, the course director may move the points from the missed examination or assignment to the final exam in that course or make other arrangements to make up the missed exam or work. A student may be required to show written documentation.

A student who will miss an examination or assignment for the observance of a religious holy day should notify the course directors of all courses affected **prior to** the absence.

If a student and a faculty member disagree about whether an absence is for the observance of a religious holy day or whether the faculty member has allowed the student a reasonable time to complete any missed examinations or assignments (see missed exam policy), the faculty member or the student may request a ruling from the Dean of Academic Affairs. The student and the faculty member will abide by the decision of the Dean of Academic Affairs.

STUDENT BEREAVEMENT POLICY:

In the unfortunate event that you experience a death in your family, please rest assured that Parker College will help you during this time of your loss. When you are ready, the Dean of Academic Affairs will review the accommodations available to you to help you resume your studies.

Action Steps:

- If you experience a death in your family, please notify the Dean of Academic Affairs' office as soon as possible. You may send the notice by telephone or email. You may send the notice personally or have it sent by a roommate, friend, or family member. The Dean will contact your instructors and ask them to assist you when you resume your studies.
- When you return to campus, please schedule a meeting with the Dean of Academic Affairs to discuss support resources available to you through the Office of Student Affairs and to discuss strategies for catching up with missed academic work and for completing the trimester successfully.

Assistance and Accommodation:

The options for assistance or accommodation include the following:

- Excused Absences.
- Counseling with the counselors in Student Affairs or referral to another counselor.
- Alternate arrangements for completing coursework, subject to the Missed Exam Policy.
- Withdrawal from some courses to reduce your course load.
- Incomplete grades in one or more courses.
- Withdrawing from the College and taking a leave of absence.

The Dean of Academic Affairs will hear your situation and then help you decide what actions are in your best interest and will facilitate the communications between you and your instructors.

Excused Absences:

We understand that in the immediate aftermath of the loss of a loved one, your classes and labs may be the farthest thing from your mind. We encourage students to take the following excused absences from their classes and labs:

- 5 school days if bereavement is for the death of the student's spouse or child (including step-children, foster children, adopted children and in-laws).
- 3 school days if it is the death of a student's immediate family, other than a spouse or child. The immediate family includes parents (including step-parents, foster parents and in-laws), legal guardians, brothers and sisters (including step-siblings and in-laws), grandparents, grandchildren, aunts and uncles.
- 2 additional school days if the family member lived more than 200 miles from Dallas or the funeral will be held more than 200 miles from Dallas.
- 1 school day to attend the funeral of a niece, nephew or cousin.

The Dean of Academic Affairs will forward requests for bereavement leave to the student's course directors. The Dean may request a funeral or obituary notice.

COMPUTER USAGE:

Students are encouraged to utilize personal computers in the classroom for taking notes, following the lecture outlines or reference materials, etc. Other uses unrelated to the lecture topic are not allowed. As an example, surfing the Internet or playing games during lecture or lab time is strictly prohibited and will result in the student being asked to discontinue use of their computers. In addition, the student may be asked to leave the classroom and will be counted absent for that class period.

AUDIO/VIDEO TAPING:

Since the courts have ruled that a professor's voice and physical image are their personal property, the prerogative of the audiotaping and/or video recording of lectures/laboratories is a right specifically reserved to faculty. Should you wish to record,

using any device you must obtain the permission the respective instructor in all classes. You are not allowed to audio or video tape lectures or labs in Systemic Anatomy.

IMPORTANT NOTE:

The provisions contained in this syllabus do not constitute a binding contract between the student and the Parker College of Chiropractic. These provisions may be changed at any time and for any reason at the discretion of the Course Director. When it is necessary to make changes to this document, appropriate notice (at least one week, if possible) will be given to the student(s).