

Course Syllabus Summer 2011

Course Number: CLSC-6201

Course Title: Clinical Orthopedics

Course Director: Dr. Steven L. Kleinfield D.C.,F.A.C.O.

Office Hours: Monday- Friday 12:00-12:50

Lab Director/Instructors: Dr. Steven L. Kleinfield D.C.

Trimester Credit Hours: 3

Total Contact Hours Per Trimester: 60

Lab Hours Per Week: 2

Lab Contact Hours/Trimester: 30

COURSE DESCRIPTION:

This course supports the mission statement of Parker University, College of Chiropractic by helping to create leaders who promote Chiropractic wellness through high standards of education, research and service.

This course introduces students to proper Orthopedic examination procedures and test for the cervical, thoracic, and lumbar spine, pelvis, shoulder, elbow, wrist, hand knee, ankle and foot. It also presents an organized system for approaching Musculoskeletal disorders and introduces students to the necessity of differentially diagnosing between Musculoskeletal disorders and visceral disease processes.

GENERAL APPROACH TO TEACHING:

The lecture classes will be taught lecture style along with using power-point slides. The inclusion of wellness topics and everyday events (items in the news) that relate to the topic being discussed will change from trimester to trimester.

The labs will be very hands on by the student. There will be a demonstration of the test being discussed followed by the student being both the examiner (performing the test) and also acting as the patient. There is very strong overlap between lecture and lab in order to reinforce what is discussed and shown

ESTIMATE OF STUDENT WORKLOAD:

The student should study this material 1 hour per night and be able to obtain a B for this course.

LEARNING OUTCOMES:

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

- 1) Discuss the most common Neuromusculoskeletal conditions
- 2) Know what additional questions need to be added to a history intake in order to come up with a differential diagnosis list.
- 3) Select the appropriate orthopedic tests to confirm or rule out as suspected differential diagnosis
- 4) Select the appropriate ancillary tests necessary to confirm or rule out a suspected differential diagnosis
- 5) Arrive at a working diagnosis based on the above items

Lab Outcomes: At the completion of this course, the student will be able to:

- 1) Perform the orthopedic tests taught in the lab
- 2) Select the best orthopedic tests from what was taught for the specific differential diagnosis
- 3) Interpret the Classical outcome findings for the orthopedic testing performed
- 4) Interpret Clinical outcome findings for the orthopedic testing performed
- 5) Select appropriate follow up test in order to confirm the prior result

ASSESSMENT:

The student will be assessed via 3 written examinations along with 2 practical exams

PREREQUISITES:

Clinical Biomechanics/Motion Palpation & Gross Anatomy II

REQUIRED TEXTBOOKS:

ILLUSTRATED ORTHOPEDIC ASSESSMENT
ORTHOPAEDIC CLASS LECTURE NOTE

Ronald Evans DC, F.A.C.O.
Steven Kleinfeld, DC, F.A.C.O.

RECOMMENDED ADDITIONAL TEXTBOOKS:

ORTHOPAEDIC TESTING:A RATIONAL APPROACH TO
DIAGNOSIS

Janet Gerard & Steven
Kleinfeld

THE ORTHOPAEDIC PHYSICAL EXAM 2nd Edition
ORTHOPAEDICS

Reider

Samuel Turek

ERGONOMICS for THERAPISTS 2nd edition

Karen Jacobs

CLINICAL ORTHOPAEDIC REHABILITATION

S. Brent Brotzman M.D.

ORTHOPEDIC PHYSICAL ASSESSMENT

David J Magee, PhD.

PHYSICAL EXAMINATION OF THE SPINE & EXTREMITIES

Stanley Hoppenfeld, M.D.

THE CIBA COLLECTION OF MEDICAL ILLUSTRATIONS

Vol 1 Nervous System

THE CIBA COLLECTION OF MEDICAL ILLUSTRATIONS

Vol 8 Musculoskeletal
System

SPINAL PELVIC STABILIZATION: A PRACTICAL APPROACH TO
ORTHOTIC APPLICATION

John Hyland DC

EFFECTIVE MANAGEMENT of MUSCULOSKELETAL INJURY

Andrew Wilson D.O.

SUPPLIES:

- 1) Patient gown
- 2) Bp Cuff
- 3) Stethoscope
- 4) 128cc Tuning Fork
- 5) Goniometer
- 6) Skin Marking Pencil
- 7) Tape Measure
- 8) Percussion Hammer (Taylor)

GRADING SYSTEM:

Evaluation is an integral part of the educational process and is used as an educational tool to help students identify problem areas, to recognize and reward achievement, and to identify students who are unable to meet the rigors of the curriculum. Final course grades and their interpretation are listed below:

Grade	Numerical Value	Grade Point Average	Interpretation of Academic Achievement
A	89.5 – 100	4.0	Excellent
B	79.5 - 89.49	3.0	Above Average
C	69.5 - 79.49	2.0	Satisfactory
F	69.49 or Below	0.0	Unacceptable

This grading scale is strictly adhered to. There are NO exceptions.

- The overall course grade is the average of the scores from five examinations:
 - 20% – Lecture midterm exam one
 - 20% – Lecture midterm exam two
 - 20% – Lecture final exam
 - 10% - Lecture Quizzes
 - 15% – Lab midterm exam
 - 15% – Lab final exam

In order to ensure that the student has a comprehensive grasp of the material, examinations are cumulative, with about 80% of the examination covering new material, and 20% of the exam comprised of previous material.

Lecture Quizzes:

During the trimester, there will be 10 lecture quizzes. These quizzes will be given promptly at 11 am. If you arrive to class once the quiz is in the process of being handed out, you will need to take your seat in the front of class in order to receive a quiz. If you arrive to class after we have completed handing out the quiz, you are too late, it is the same as if you had been absent.

The quizzes will be short answer, fill-in the blank questions, such as:

2 Orthopedic Tests discussed to evaluate for Carpal Tunnel Syndrome are: ___ & ___.

Since I need to be able to read your handwriting, I ask that you PRINT all your responses on the quiz.

The material eligible to be covered by the quiz will be the reading assignment for the current week, as well as all previously covered material. The reading assignments are found on the course calendar, but are essentially the textbook chapters and the lab sheets (printed off the course web page) for the current weeks material to be covered in both lecture and lab.

Missed Quizzes: If you are absent for the quiz and have a valid documented reason, no grade will be entered and once all quizzes have been given, you will receive your overall quiz grade average as your grade for the missed quiz. A valid reason would be something such as a death in the family or a serious injury or illness. In each of those cases, you will be able to provide me with some documentation of the circumstances. As you will read in the Common Policies document: "Vacation, leisure travel, seminar attendance, over sleeping, forgetting when the exam is given, stuck in traffic, etc. do not constitute extraordinary or extenuating circumstances for missing any exam." Without a valid documented reason for missing your quiz, you will receive a zero as your quiz grade. The key word here is documented. If you tell me you were home with a terrible migraine headache, you will need to provide me with a doctor's note to that effect.

LABS:

In order to become familiar with the necessary tools listed above, you are to bring the tools to each and every lab regardless if they will be used or not. It is better to have them available and not need them than to need them and not have them.

OPEN LABS:

If there is enough demand for an open lab, one will be developed and will be on Fridays from 12:00-1:00 pm. If you agree to have an open lab, you are expected to attend each open lab.

90/90 RULE:

This course offers the student the benefits of a 90/90 policy. It is designed to reward the diligent student with an end of the course bonus provided they meet the qualifications of the policy. A student who has a 90 or better average in this course (for all exams, lab practicals and lab quizzes) and who has attended class 90% or more of the class meetings, including labs, will have the option of being exempted from taking the final exam. A student wishing to be exempt from the final exam must submit this request in writing in person to the course director by the Thursday of the last day of regular classes. Permission to be exempt from the final exam will be given on a case by case basis and will be given at the time of presentation of the written request.

EXTRA CREDIT:

There is no available extra credit that can be earned in this course.

A complete listing of all Academic policies is found on the MyParker Website/Academic Home Page/Common Policies:

- Absences for Religious Holidays
- Academic Dishonesty
- Academic Promotion, Probation and Dismissal Policy
- Appeals
- Assistance and Accommodations
- Attendance Policy
- Audio/Video Taping
- Cell Phones and Electronic Devices in Class
- Classroom Behavior
- Communications
- Computer Usage
- Examinations (Make up Exams/Lab Practical)
- Altering Grades on Exams
- Exam Review
- Final Examinations
- Grading System
- Late Instructors to Lecture/Lab
- Missed Exam Policy
- Professional Decorum
- Special Needs Consideration
- Student Bereavement Policy
- Excused Absences

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, acquire from off of the internet or be given by previous students.

IMPORTANT NOTE:

The provisions contained in this syllabus do not constitute a binding contract between the student and the Parker University's 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 at all possible) will be given to the student(s).