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Fall 9-1-2001

### PT 516.02: Musculoskeletal Evaluation I

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#### Recommended Citation

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**MS exam and evaluation , PT 516**  
Syllabus Fall 2001

Professors: Elizabeth (Beth) Ikeda, PT, MS,OCS  
Steve Fehrer, PT, PhD  
Assisting: Patsy Mangan PT, MS

**Course Description:**

Musculoskeletal pathology- 15 hours with Dr Fehrer  
Musculoskeletal exam and evaluation-special tests 65 hours

**Time:** Monday and Wednesday 8-10, Friday 1-3

**Location:** Lectures- Skaggs 113 on M + W , 117 on Friday  
Labs (most classes will be labs)- 020

**Required Texts:**

Clarkson: Musculoskeletal Assessment, 2<sup>nd</sup> ed  
Magee, D: Orthopedic Assessment 3<sup>rd</sup> ed  
O'Sullivan, S: Rehabilitation 4<sup>th</sup> ed  
Hall and Brody: Therapeutic Exercise  
Faculty packet- notebook in LSS  
Nordin and Frankel: Basic Biomechanics of the Musculoskeletal System

**Recommended resource texts:**

Cyriax J: Textbook of Orthopedic Medicine  
Donatelli: Orthopedic Physical Therapy  
Hertling: Management of Common  
Musculoskeletal Disorders  
Hoppenfeld: Physical Examination of the  
Spine and Extremities  
Kendall: Muscles- Testing and Function

**Recommended videos:** Orthopedic Special tests (in storage area)

**SEPTEMBER**

5 Introduction/ decision making/ tests and measures (principles)  
**reading:** Hypothesis oriented algorithm (Fac pac for PT 503)  
O'Sullivan, 3<sup>rd</sup> ed, chapter 5 (notebook in LSS) –  
"Model of Orthopedic dysfunc..."(notebook in LSS)  
Magee- review chapter 1

7 Chart review/ interviewing  
**reading:** Magee: pgs 1-7

10+12- Pathology – Dr Fehrer

14 Interviewing /vital signs  
**reading:**O'Sullivan, chapter 4

17+19- Pathology- Dr Fehrer

21 Vital signs and lab

24+26- Pathology- Dr Fehrer

28- State MAPTA meeting- NO CLASS

## OCTOBER

1 Posture- basic principles/scoliosis  
**reading:** Magee, chapter 15  
Hall and Brody, pp 128-140

3 Posture lab/ observation

5 Intro to palpation, goniometry, decision making  
**reading:** Clarkson, Chapter 1  
Magee- pp17-23, 38-40

8 Assessing joint integrity and mobility (joint play), special tests, function  
**reading:** Magee pp 26- 34, 37-38

10 TEST

12 Intro to muscle testing, palpation, decision making  
**reading:** Clarkson, Chapter 1  
Magee pp 23-26

15 Neurologic screening- sensation and reflexes  
**reading:** Magee pp9-17, 34-37

17 Cervical spine- pathology- STEVE FEHRER (1hour)  
**reading:** TBA

impairments, function, posture/position, palpation, ROM, MMT, special tests  
**reading:** Magee, Chapter 3

19 FACULTY RETREAT, NO CLASS

22 C spine -myotomes, reflexes, sensation, circulation,

24+26 C spine- ROM, MMT, Spec tests  
**reading:** Clarkson, pp34-42, 61-67, 94-95  
TBA

29 Case- cervical

31 Shoulder surgery/ pathology- Dr Fehrer  
**reading:** TBA

## NOVEMBER

- 2+5+9      Shoulder exam, cont  
              **reading:**      Magee: Chapter 5  
                                Clarkson: Chapter 3
- 12-      HOLIDAY
- 14              Shoulder Case
- 16      TEST- practical exams this week
- 19              Elbow/forearm exam  
              **reading:**      Magee: Chapter 247  
                                Clarkson: chapter 166
- 21-23 Holidays
- 26+28      Elbow, cont
- 30              Wrist and Hand  
              **reading:**      Magee: Chapter 7  
                                Clarkson: Chapter 5

## DECEMBER

- 3+5+7      Wrist and Hand, cont
- 10+12      TMJ  
              **reading:**      Magee: Chapter 4  
                                Clarkson: Chapter p38
- 14              Review

FINAL EXAM – Monday, December 17 at 8-10

\*\*\*This class is designed to have a large lab component, you will be expected to dress in appropriate clothing to fully expose the body part we are examining that day. Inappropriate dress hurts your partner, not you. You may be asked not to participate if you are not dressed properly!

\*\*\* You are expected to read the assignment for the day **BEFORE** coming to class. This will help you appreciate the subtleties of the in-class demonstrations and will save you time and energy in the long run. You should also plan on reviewing the videotapes. A list of the "special tests" which you are expected to know will be given to you (Some of them are not described in your text and some are not on the video, which is currently being revised).

\*\*\*Class participation is expected, attendance will not be taken. You will be responsible for obtaining information from missed classes. You must contact me on or before the day of a test if you are sick (243-5190 or 728-6858) or leave a message with Sheila (243-4753).

\*\*\*Points will be deducted for late assignments at the rate of 10 percent per day, unless otherwise arranged.

\*\*\*Grading (grades will be calculated for all units on the basis of percentage of hours):

**PT 516 grades**

Test 1	100 points
Test 2	100 points
Comprehensive Final	200 points
case studies	15 points each
quizes ?	25 pts

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practical 1	50 points
practical 2- comprehensive	50 points

**NOTE ON PRACTICAL EXAMINATIONS:**

Practical exams are given over a period of days, so there are times when some students have completed the exam while others are still studying. In order to insure equality of testing procedures for all students please adhere to the following regulations:

1. Do not solicit any information from students who have already taken the exam.
2. Do not discuss any part of the exam with classmates who have not taken the exam (or with someone else in their presence).
3. While practical exams are being given do not use the equipment that might be used during the exam.
4. While practical exams are in session do not study, practice, or otherwise loiter in the exam area.

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Please contact me if you have any questions or problems at 243-5190, 728-6858(home) or leave a message in the office. Remember that I am available to help you outside of class, but you must take the responsibility to come to me. Asking for help is **NOT** a sign of weakness- we (PT's) would be out of business if people did not ask for help.