

Fall 9-1-2000

# PT 595.01: Orthopedic Surgeries and Rehabilitation

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## **PT 595 - Orthopedic Surgeries and Rehabilitation**

**Instructors:** Steve Fehrer, PhD, PT and Dave Levison, MHS, PT

This course is a combination of lectures, lab and seminar discussions.

### **Course Grading and Requirements:**

**Abstracts:** 50 points (10 points a piece)  
**Homework:** 10 points  
**Final:** 40 points  
**Extra credit:** 10 points for surgery observation and write up.

**Abstracts:** You are to write 5 abstracts from peer-reviewed periodicals. The abstracts should be no more than 2 pages long, double-spaced and 12 point font size. Topics acceptable include the surgeries and/or rehabilitation issues that are listed below. You may do up to 3 abstracts on one topic. Each abstract must be read and critiqued by one of your classmates who should make comments on the paper and sign it at the end. We will make time in class to discuss your readings.

Start each abstract with:

Student name  
Abstract #.  
Article Title  
Source  
Authors

Body of Abstract should include:

Purpose and summary of background information, subjects, methods, results conclusion and discussion. Include a critique of the article with comments on its relevance and relationship to other literature.

**Homework:** Homework will consist of studying the available outcome tools for the hip, knee and shoulder related to the surgeries covered in class. You will work in teams of 3 to choose what tool you would use in practice. You are to bring the tool your team chooses to class and be prepared to discuss why you chose it over others. Each Team will also be assigned a topic to research and recommend a rehab protocol.

**Final:** The final will cover all information presented over the semester.

**Extra Credit:** Observation of a surgery that is covered in this class plus a paper describing the surgery, patient and relevant rehab issues is encouraged. We will provide you with a list of surgeons that you might contact to arrange an observation.

**Topics:**

ACL Reconstruction  
TKA  
THA  
Shoulder impingement  
Shoulder instability  
Lumbar spine disc herniation

**Schedule:** Class meets Tuesdays from 8 - 10 AM in SB 113 unless otherwise noted.

September 12 - Course Introduction

September 19 - The Knee: Anatomy and Biomechanics Review.  
- Lab: Initial Exam/special tests

September 26 - **3-5 PM Dr. Schutte:** ACL Reconstruction

October 3 - Discussion of Surgery, Rehab and Outcome Tools  
- Lab: Treatments for common problems

October 10 - Spine Sx (Dr. Day tentative)

October 17 - ACL, TKA and Spine Abstracts/ discussion

October 24 - **7-9 PM Dr. Wooley:** TKA and THA (confirmed)

October 31 - TKA and THA Rehab - Jen and Steve F.

November 14 - TKA and THA Lab - Steve Fehrer  
Discuss outcome tools

November 21 - **Dr. Rotar:** Shoulder Sx. 8-10 AM

November 28 - Shoulder Anatomy/biomechanics review - Dave Levison  
Shoulder Lab

December 5 - Shoulder Lab con't  
Shoulder and THA Abstract Review

December 12 - Q/A and Review

Home work due:

- Sept 19 - Review of Knee anatomy, biomechanics and exam procedures.
- Oct. 3 - Research outcome measures/tools for the knee and bring to class the ones you would use for ACL and others you considered. Be prepared to explain why you chose the ones you did.
- Oct. 10 - Review spine anatomy.
- Oct. 17 - Come ready to discuss any abstracts done related to ACL, TKA or Spine.
- Oct. 24 - Review hip and knee anatomy, biomechanics and exam procedures for IP and OP.
- Nov. 14 - Come with outcome tools you would use for THA and TKA.
- Nov. 21 - Review shoulder anatomy, biomechanics and evaluation procedures.
- Dec. 5 - Come with shoulder and THA abstracts and be prepared for discussion. Research outcome measures/tools for the shoulder and bring to class the ones you would use and others you considered. Be prepared to explain why you chose the ones you did.