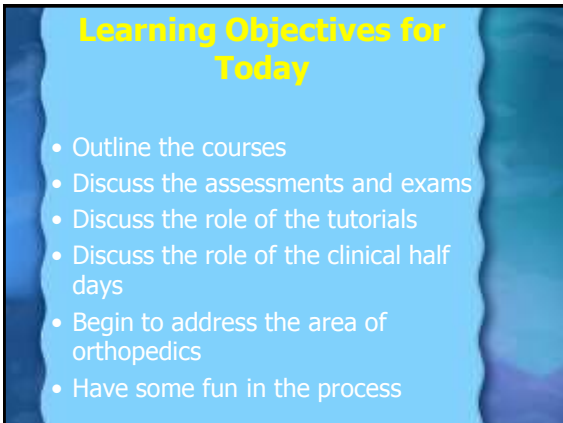


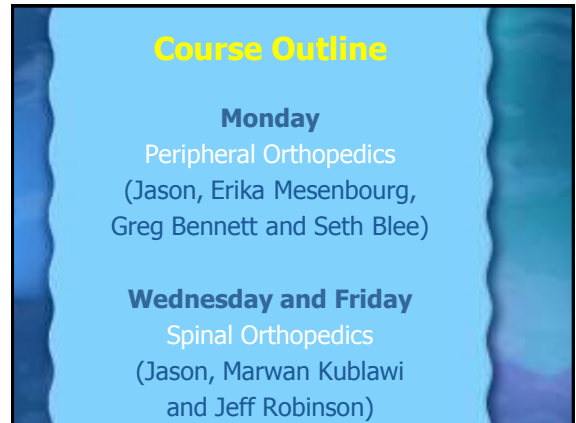
Orthopedics

If it's Physical -
it's Therapy



Learning Objectives for Today

- Outline the courses
- Discuss the assessments and exams
- Discuss the role of the tutorials
- Discuss the role of the clinical half days
- Begin to address the area of orthopedics
- Have some fun in the process



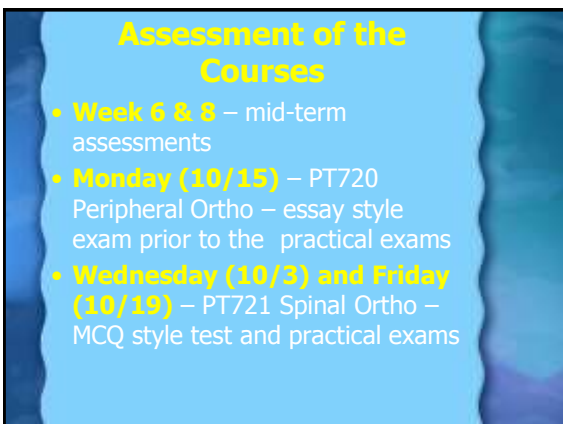
Course Outline

Monday

Peripheral Orthopedics
(Jason, Erika Mesenbourg,
Greg Bennett and Seth Blee)

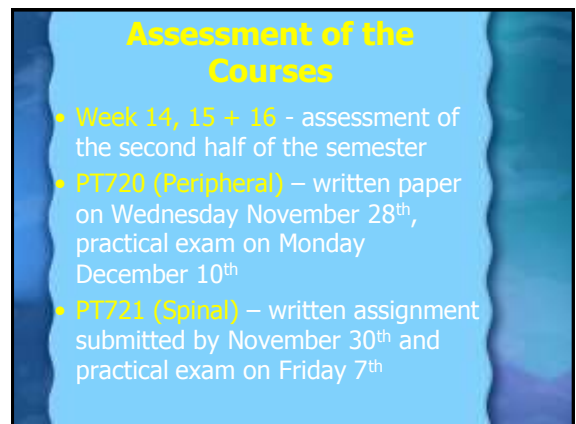
Wednesday and Friday

Spinal Orthopedics
(Jason, Marwan Kublawi
and Jeff Robinson)



Assessment of the Courses

- **Week 6 & 8** – mid-term assessments
- **Monday (10/15)** – PT720 Peripheral Ortho – essay style exam prior to the practical exams
- **Wednesday (10/3) and Friday (10/19)** – PT721 Spinal Ortho – MCQ style test and practical exams



Assessment of the Courses

- **Week 14, 15 + 16** - assessment of the second half of the semester
- **PT720 (Peripheral)** – written paper on Wednesday November 28th, practical exam on Monday December 10th
- **PT721 (Spinal)** – written assignment submitted by November 30th and practical exam on Friday 7th

Assessment of the Courses

- Each course will have a 100 question **Final Comprehensive Examination** that will cover ALL ASPECTS of the course.
- These will be scheduled during final Exam Week and the dates will be finalized shortly.

Tutorials

- Case studies based on different components of both courses
- Combination of spinal and peripheral cases
- Normal format as previous tutorials
- You have been given the first parts of all the tutorials in the Tutorial folder on the memory stick
- No tutorial during Week 10 – due to Student Conclave on Friday 11/2

Half-day Clinicals

- Great opportunity to develop classroom material
- You will be given a series of tasks to try to fulfill throughout your clinical
- Should be a useful learning environment
- Should provide an opportunity to develop your handling skills

Sir William Osler MD

"To study the phenomenon of disease without books is to sail an uncharted sea,

While to study books without patients is not to go to sea at all."

Any Questions?

Orthopedics

What's All the Fuss About?

Advances in Medical Science



Still Hiking and Climbing



What Do Physical Therapists Do?

- <http://www.wisegeek.com/what-does-a-physical-therapist-do.htm>
- http://careerplanning.about.com/od/occupations/p/phys_therapist.htm
- http://degreedirectory.org/articles/What_Do_Physical_Therapists_Do.html

The Greatest Discipline?

- Requires an in-depth knowledge of a number of systems
- MUST know your anatomy
- MUST know your physiology
- MUST know your biomechanics
- MUST know your kinesiology
- Should even know your neurology

Is There Anything Left?

- The human body has a common design theme
- Small variations in this theme are tolerated
- Large variation from the status-quo is corrected
- Can we assist in this correction?

Fractures

Break in the Continuity of the Substance of the Bones

- Types and patterns of fractures
- Clinical presentation of fractures
- Diagnosis and prognosis of fractures
- Assessment of patients following fracture
- Management of fractures
 - Region specific
 - General

Clinical Presentation of Fractures



Soft Tissue Injuries

Damage to the Tissues that are not Bones



- Pathophysiology of injury to various soft tissues structures
- Repair and remodeling of soft tissues following injury
- Assessment and diagnosis of soft tissue lesions
- Therapeutic intervention following soft tissue injury

Exercise Therapy

Key Component of PT

- Exercise prescription is a big part of rehabilitation
- **It is not the only thing!**
- Strengthen what is weak, maintain what is not
- Specific exercise for each patient – not just a sheet of exercises for a condition
- Continually adjusted exercise sessions for maximal results
- Exercise Pro software

Region Specific Injuries

Peripheral (Appendicular) Skeleton

- Hips and pelvis
- Knee
- Ankle and foot
- Shoulder
- Elbow
- Wrist and hand

Spinal (Axial) Skeleton

- Lumbar region
- Sacroiliac joints
- Thoracic region including the ribs
- Cervical region
- Temporomandibular joint and skull

**Any
Questions?**



Take a Break!



See you in 10 minutes!

