INSTRUCTOR:
Julie Davis, PT
CASA 114B
453-3618
jfrman@siu.edu

OFFICE HOURS:
Mon 9:00 am-1:00 pm
Wed 9:00 am-11:00 am
or by appointment

CLASS SCHEDULE:
Lecture- ASA Room 062
Monday & Wednesday 1:00 pm –1:50 pm

TEXTBOOK:
Required

Recommended
Web version at www.merckmanuals.com

Medical Dictionary

PREREQUISITES: PHYS 201 & 208 or AH 241, Restricted to PTH major.

PREREQUISITE TO: PTH 321a, 321b, 322

COURSE CATALOG DESCRIPTION:
Students will be able to describe selected medical and surgical conditions from the standpoint of etiology, clinical signs and symptoms, and physical therapy treatment.

COURSE OBJECTIVES:
Upon completion of the course, the student will accomplish the following through written examinations and class participation.
1. Identify and describe the anatomy and physiology of the **Integumentary System**.
2. Identify and describe **thermal injuries** including depth, extent and etiology, complications of thermal injuries and treatment of thermal injuries in the acute and rehabilitation phase.

3. Identify and describe **Infectious Diseases** of the skin including appearance, complications and implications for physical therapy intervention.

4. Identify and describe the anatomy and physiology of the **Respiratory System**.

5. Describe the most common test for assessing **respiratory function**.

6. Identify and describe various types of **respiratory disorders** including etiology, epidemiology, pathogenesis, signs and symptoms and physical therapy management.

7. Identify and describe the anatomy and physiology of the **Central Nervous System**.

8. Describe disorders of the central nervous system including but not limited to cerebral palsy, spina bifida, Alzheimer’s Disease, Huntington’s Disease, Multiple Sclerosis, and Dementia in terms of clinical categories, motor characteristics, etiologies, epidemiology, physical therapy treatment goals and associated secondary difficulties.

9. Describe the common etiologies of **cerebral vascular accidents/ABI**, risk factors, the most common sites for cerebral vascular insufficiency, the various signs and symptoms relative to the site of cerebral vascular incident and the physical therapy treatment programs dependent upon the type of cerebral vascular accident.

10. Identify and describe the various **extrapyramidal disorders** including Parkinson’s Disease including etiology, epidemiology, signs, symptoms and physical therapy management.

11. Identify and describe the anatomy and physiology of the **Peripheral Nervous System**.

12. Identify and describe various **Neurmuscular Disorders** including etiology, pathology, signs and symptoms, physical therapy treatment, and associated secondary deficits.

13. Identify and describe the anatomy and physiology of the **Endocrine System**.

14. Identify and describe disorders of the **endocrine and metabolic systems** including complications and implications for physical therapy intervention.

15. Identify and describe disorders of the **digestive and urinary systems** including complications and implications for physical therapy interventions.

16. Identify normal prenatal development & diseases associated with **pregnancy** including complications and implications for physical therapy intervention.

17. Use medical terminology fluently and appropriately in all course work.

18. Identify and recognize the various disciplines concerned with the rehabilitation of patients as discussed.

19. Recognize the necessity of working with the medical team for the benefit of patients.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
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| 1    | Introduction  
      | Signs, Symptoms, Prognosis, Diagnosis |
| 2-3  | Integumentary System – Chapter 8  
      | Thermal Injuries  
      | Infectious Disease – Chapter 10 |
| 4-5  | Respiratory System – Chapter 4  
      | Test for Respiratory Function  
      | Diseases |
| TEST |       |
| 6-7  | Central Nervous System – Chapter 7  
      | Diseases  
      | Pyramidal/Extrapyramidal Systems |
| 8    | SPRING BREAK |
| 9-10 | Peripheral Nervous System – Chapter 7  
      | Disorders |
| 11   | Neuromuscular Disorders |
| TEST |       |
| 12-13| Endocrine & Metabolic Systems – Chapter 9  
      | Endocrine System Disorders  
      | Metabolic System Disorders  
      | Nutritional Disorders |
| 14   | Digestive & Urinary Systems – Chapter 12  
      | Pregnancy – Chapter 11 |
| 15   | Connective Tissue Diseases – Chapter 6  
      | Lab Values |
| 16   | Special Tests |
| TEST |       |
| 17   | Final Exam –  
      | Friday, May 15, 12:30-2:30 pm |
DESCRIPTION OF TEACHING METHODS AND LEARNING EXPERIENCES:

This course is taught in a lecture format. Students will be provided reading assignments for each lecture topic. Lectures may be supplemented with power point presentations and/or video. Additional information will be available to students via Desire 2 Learn.

STUDENT EVALUATION:

4 Exams ------------------------400 (100 points each)
5 Unannounced Quizzes-------50 points
TOTAL - 450 points

Examinations
Examinations may consist of any combination of multiple choice, matching and/or short answer questions. There will be 4 examinations given including 3 hourly exams and 1 cumulative final examination.

Every student is expected to be present during exams in order to receive a grade for that exam. If, due to extreme circumstances, you are not able to be present during the scheduled exam time, you must contact the instructor prior to the scheduled exam time to notify her of your absence and arrange for a date and time to make up the exam. Missed exams must be made up prior to the next scheduled class time or a grade of zero will be received for that exam.

Quizzes
There will be 6 unannounced quizzes given during the course. Each quiz will be administered during the first 15 minutes of the class period. Quizzes may cover information from the assigned readings and/or lecture material. All quizzes will be collected at the same time. Those arriving late to class WILL NOT be given extra time. The lowest quiz grade will be dropped before calculation of the final course grade. Make-up quizzes will NOT be given.

Each student's final grade will be determined on a percentage of total points:
A = 90 - 100% - 405 - 450 points
B = 80 - 89% - 360 - 404 points
C = 70 - 79% - 315 - 361 points

NOTE: A grade of C or above is required for the Physical Therapist Assistant Program.
D=60 – 69% - 270 – 360 points
F=59 and below -269 and less points

Professional Behavior - The development of professional behaviors is essential to any aspiring health care professional. One realm of professional behavior lies in the expectation of the person to be punctual, prepared and present.

Student Grades/Confidentiality – No information regarding student grades or class progress will be communicated via telephone or email. All grades will be posted on Desire2Learn as soon as they are available. If you have questions regarding current
course grades or course information, students must speak directly with the instructor. This may be possible either immediately before or after class, during office hours or by making an appointment to meet with the instructor.

**Classroom Attendance Policy** – This is a professional program. Attendance in class is expected, but is the responsibility of the student. Students should be prepared to participate in class at the designated start time for the course. Prepared means the student is seated in the class with all necessary classroom supplies available to them and assignments due that day are turned in to the instructor.

**SIU PTA course materials, including the course syllabus are not to be duplicated without consent of the SIU PTA Program.**
Syllabus Attachment
Spring 2015

IMPORTANT DATES *

Semester Class Begins .................................................................01/20/2015
Last day to add a class (without instructor permission): ..........01/25/2015
Last day to withdraw completely and receive a 100% refund: ......02/01/2015
Last day to drop a course using SalukiNet: ..............................04/05/2015
Last day to file diploma application (for name to appear in Commencement program): ............................................................03/13/2015
Final examinations: .................................................................05/11–05/15/2015

Note: For outreach, internet, and short course drop/add dates, visit Registrar’s Academic webpage http://registrar.siu.edu/

SPRING SEMESTER HOLIDAYS
Martin Luther King, Jr.’s Birthday 01/19/2015
Spring Vacation 03/07—03/15/2015

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

INCOMPLETE POLICY~ Undergraduate only
An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken, or graduation, whichever occurs first. Should the student fail to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken, or graduation, whichever occurs first, the incomplete will be converted to a grade of F and the grade will be computed in the student’s grade point average. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than two times (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A,B,C,D, or F, the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad-catalog/index.html

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM CODE

MORRIS LIBRARY HOURS
http://www.lib.siu.edu/about

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or siucares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Please reference the Building Emergency Response Protocols for Syllabus attachments on the following pages. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency.

INCLUSIVE EXCELLENCE
SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:
Tutoring: http://tutoring.siu.edu/
Math Labs http://tutoring.siu.edu/math_tutoring/index.html

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:
SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin
ADVISEMENT: http://advisement.siu.edu/
SIU ONLINE: http://online.siu.edu