

JEFFERSON COLLEGE
INSTITUTIONAL COURSE GUIDE

PTA245

PATHOLOGICAL IMPLICATIONS IN REHABILITATION

2 Credit Hours

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PTA245 Pathological Implications in Rehabilitation

I. CATALOGUE DESCRIPTION

- A. Prerequisites: PTA130 Professional Conduct and Communication, PTA140 Neuromotor Development, and PTA150 Clinical Experience I each with a grade of “C” or better, and Reading Proficiency
- B. Credit hour award: 2 credit hours
- C. Description: This course presents information on the most common pathologies of each of the body’s organ systems to include signs and symptoms of the disease, how the pathology is diagnosed and medically treated, how the disease normally progresses, and possible complications. Complex patients with multiple pathologies, common clinical emergencies, and precautions and modifications for physical therapy interventions, and handling common emergency situations in the clinic are discussed. (F)
- D. Curricular alignment: Fulfills Physical Therapist Assistant degree requirement.

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES (numbers in parentheses refer to CAPTE Evaluative Criteria)

Describe etiology, incidence, risk factors, and signs and symptoms of common pathological conditions impacting each organ system and demonstrated by patients seen in rehabilitation. (7B)	Quizzes Written Assignments
Describe normal aging that occurs within each body system.	Quizzes
Describe the different diagnostic tests available and which ones are more appropriate than other for various pathological conditions.	Quizzes Written Assignments
Monitor and adjust interventions in the plan of care in response to patient/client status and clinical indications (7D19)	Quizzes Written Assignments
Effectively educate others using teaching methods that are commensurate with the needs of the patient, caregiver, consumers, payers, and policymakers. (7D7 and 7D12)	Written Assignments
Identify basic concepts in professional literature to include systematic reviews and clinical practice guidelines. (7D10)	Written Assignments

Use the International Classification of Functioning, Disability, and Health (ICF) to describe a patient's/client's impairments, activity and participation limitations. (7D16)	Written Assignments
Review health records (lab values, diagnostic tests, specialty reports, narrative, consults, and physical therapy documentation) prior to carrying out the plan of care. (7D18)	Quizzes Written Assignments
Demonstrate competence in implementing certain interventions to include airway clearance techniques. (7D23a)	Quizzes Written Assignments
Demonstrate competence in performing components of data collection skills to include anthropometric characteristics, ventilation, respiration, and circulation. (7D24 b, n).	Quizzes Written Assignments
Determine when an intervention should not be performed due to clinical indications. (7D21)	Quizzes Written Assignments
Respond effectively to patient/client and environmental emergencies that commonly occur in the clinical setting. (7D29)	Quizzes Written Assignments

III. OUTLINE OF TOPICS

- A. Problems Affecting Multiple Systems
 1. Radiation and Chemotherapy
 2. Fluid-Electrolyte Imbalances
 3. Acid-Base Imbalances

- B. Etiology, Signs and Symptoms, Risk Factors, Complications, Medical and Surgical Treatments, Clinical and Exercise Considerations, Precautions, and Modifications for the PTA for each of the Following Systems or Type of Pathology
 1. The Immune System
 2. Infectious Disease
 3. Oncology
 4. The Integumentary System
 5. The Endocrine and Metabolic Systems
 6. The Cardiovascular System
 7. The Hematologic System
 8. The Lymphatic System
 9. The Respiratory System
 10. The Hepatic, Pancreatic, and Biliary Systems
 11. The Genitourinary System
 12. The Gastrointestinal System
 13. The Male Reproductive System
 14. The Female Reproductive System

C. Handling Common Patient Emergency Situations in the Clinical Setting

IV. METHOD OF INSTRUCTION

- A. Lecture
- B. Case Studies
- C. Lab Demonstration and Practice
- D. Webinars and Videos

V. REQUIRED TEXTBOOK

Goodman, C. and Fuller, K. *Pathology for the Physical Therapist Assistant* (current edition).
Elsevier.

VI. REQUIRED MATERIALS

- A. Computer access to Canvas for course homepage
- B. Scorebuilders Basecamp Subscription
- C. American Physical Therapy Association student member resources

VII. SUPPLEMENTAL REFERENCES

- A. PubMed
- B. Visible Body Subscription

VIII. METHODS OF EVALUATION

- A. Quizzes
- B. Written Assignments

IX. ADA AA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (TC101; phone 636-481-3169).

X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook. (See College website <http://www.jeffco.edu>).

XI. ATTENDANCE STATEMENT

Regular and punctual attendance is expected of all students. Any one of these four options may result in the student being removed from the class and an administrative withdrawal being processed: (1) Student fails to begin class; (2) Student ceases participation for at least two consecutive weeks; (3) Student misses 15 percent or more of the coursework; and/or (4) Student misses 15 percent or more of the course as defined by the instructor. Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details.

XII. OUTSIDE OF CLASS ACADEMICALLY RELATED ACTIVITIES

The U.S. Department of Education mandates that students be made aware of expectations regarding coursework to be completed outside the classroom. Students are expected to spend substantial time outside of class meetings engaging in academically related activities such as reading, studying, and completing assignments. Specifically, time spent on academically related activities outside of class combined with time spent in class meetings is expected to be a minimum of 37.5 hours over the duration of the term for each credit hour.

XIII. DIVERSITY STATEMENT

Jefferson College is a community leader dedicated to supporting and promoting diversity through opportunities and experiences that foster a culture of respect, inclusiveness, and understanding for everyone in the campus community to engage in a diverse world