

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: PTAP 200

Credit Hours: 2

Course Title: Functional Anatomy

Course Prerequisites: Selective admission to the Physical Therapist Assistant program.

Textbooks: Muscolino; Kinesiology, 1st edition.
Kapit; The Anatomy Coloring Book, 4th Edition.

Course Description:

Study of human musculoskeletal anatomy with emphasis on major bones, bony landmarks, joint anatomy, and origin/insertion/action/innervation of selected muscles. Lab activities include palpation of selected bony and soft tissue landmarks and basic analyses of human movement.

Learning Outcomes:

At the end of this course the student will

- A. communicate appropriately in the clinical environment, both verbally and in written form, using correct terminology related to human musculoskeletal anatomy and basic biomechanics;
- B. demonstrate proficiency in the clinical skill of identifying selected bony landmarks, joints, muscles, nerves and ligaments by observation and/or palpation; and
- C. appropriately apply foundational knowledge of regional musculoskeletal anatomy/physiology, basic neuromuscular anatomy, and human biomechanics to the analysis of patient positions/movements in the correct interpretation and execution of a PT plan of care.

To achieve the learning outcomes, the student will:

- 1. describe the anatomic position of the human body as a basis for reference of movement.(A,C)
- 2. utilize directional terminology to describe locations on and about the body.(A,C)
- 3. identify the cardinal planes of the human body.(A,C)
- 4. categorize joint movements based on knowledge of cardinal planes of the body.(A,C)
- 5. categorize bones based on type, shape and makeup.(C)
- 6. categorize joints based on structure and movement.(C)
- 7. define movement terminology and apply to analysis of human movement.(A,C)
- 8. identify and define the components of skeletal muscle.(C)
- 9. describe elements of a skeletal muscle contraction.(C)
- 10. compare and contrast isometric, concentric and eccentric muscle contractions.(C)
- 11. identify the position/movement of each joint for given static postures.(C)
- 12. describe the movements of each joint during given functional activities and exercises.(C)
- 13. identify spectrum of variation among classmates with regard to locations of landmarks, muscle mass, and gross posture/joint position in a respectful and professional manner.(B)
- 14. demonstrate on a laboratory competency entry level skill with basic musculoskeletal palpation. (B)

15. identify selected bony and soft tissue landmarks of the human body by visual recognition on model /diagram and palpation of classmates.(B)
16. discuss each joint of the human body in terms of joint type, motion available, major ligamentous support and basic biomechanics.(C)
17. list the origin, insertion, action and innervation (peripheral nerve) of each selected muscle.(C)
18. identify nerve root innervation of selected UE & LE muscles by myotome level.(C)
19. discuss the significance of each selected muscle as it relates to functional movement/exercises.(C)

Course Requirements: To earn a grade of “C” or higher the student must earn 75% of the total points for the course and meet all of the following course requirements.

- pass all lab competencies
- minimum 75% average on lab competencies

Course Grading Scale:

- A- 94% or more of total possible points including the comprehensive final exam; and pass all lab competencies; and a minimum of 75% average on lab competencies
- B- 87-93% of total possible points including the comprehensive final exam; and pass all lab competencies; and a minimum of 75% average on lab competencies
- C- 75-86% of total possible points including the comprehensive final exam; and pass all lab competencies; and a minimum of 75% average on lab competencies
- D- 69-74% of total possible points including the comprehensive final exam; and pass all lab competencies; and a minimum of 75% average on lab competencies
- F- Less than 68% of total possible points including the comprehensive final exam; or failure to pass all lab competencies; or less than 75% average on lab competencies

Attendance Policy: The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Physical Therapy Assistant program in described is the Physical Therapy Assistant Clinical Handbook.

Nondiscrimination Statement

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111

318-678-6511

acao@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

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Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by L. Bryant 4/19