

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. OTAC

COURSE NUMBER: 1200

NUMBER OF CREDITS: 3

Lecture: 1 Lab: 2 OJT: 0

Course Title:

Movement of Occupations

Catalog Description:

Movement of Occupations describes muscle function, muscle strength, muscle endurance, functions of joints and bones, innervations, and the purposeful movement needed to allow people to complete their everyday occupations. Students examine types of muscle contractions and joint movements during occupation-based activities through active learning and analysis. Treatment ideas for various health conditions that affect the neuromusculoskeletal system are explored.

Prerequisites or Necessary Entry Skills/Knowledge:

BIOL 2201, BIOL 2202, OTAC 1110

FULFILLS MN TRANSFER CURRICULUM AREA(S)

Goal 1: Communication: ____ by meeting the following competencies:

Goal 2: Critical Thinking: ____ by meeting the following competencies:

Goal 3: Natural Sciences: ____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: ____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: ____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: ____ by meeting the following competencies:

Goal 7: Human Diversity: ____ by meeting the following competencies:

Goal 8: Global Perspective: ____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: ____ by meeting the following competencies:

Goal 10: People and the Environment: ____ by meeting the following competencies:

Topics to be Covered

Joint, muscle, and bone functions and movement

Kinesiology and neurology conditions related to occupation

Physical agent modalities

Student Learning Outcomes

B.1.1. Human Body, Development, and Behavior (Mastery Level)

Demonstrate knowledge of the structure and function of the human body; human development throughout the lifespan (infants, children, adolescents, adults, and older adults); concepts of human behavior.

B.3.3. Distinct Nature of Occupation (Mastery Level)

Explain to consumers, potential employers, colleagues, third-party payers, regulatory boards, policymakers, and the general public the distinct nature of occupation and the evidence that occupation supports performance, participation, health, and well-being.

(Introduction to ACOTE Standard B.4.12. Orthoses and Prosthetic Devices)

Explain the need for orthotics to enhance occupational performance and participation.

(Introduction to ACOTE Standard B.4.13. Functional Mobility)

Identify techniques to enhance functional mobility, including physical transfers, wheelchair management, and mobility devices.

(Introduction to ACOTE Standard B.4.14. Community Mobility)

Identify techniques to enhance community mobility, and address transportation transitions, including driver rehabilitation and community access.

B.4.17. Superficial Thermal, Deep Thermal, and Electrotherapeutic Agents and Mechanical Devices (Mastery Level)

Define the safe and effective application of superficial thermal agents, deep thermal agents, electrotherapeutic agents, and mechanical devices as a preparatory measure to improve occupational performance. This must include indications, contraindications, and precautions.

Is this course part of a transfer pathway: Yes No

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