

JAMESTOWN COMMUNITY COLLEGE
State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Physical Rehabilitation

Course Abbreviation and Number: OTA 2620

Credit Hours: 3

Course Type: Lecture/Lab

Course Description: Students will be introduced to concepts and techniques needed to provide care to patients with neurological, orthopedic, and muscular-skeletal conditions. Students will refine transfer and goniometry techniques, while developing skills with manual muscle testing, mobility, and the application of treatment approaches relevant to the physically disabled population.

Prerequisite: OTA 1520 and OTA 1630 with a grade of C or better.

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Document OT services utilizing paper and/or electronic formats (B.5.31).
 2. Demonstrate techniques to enhance mobility, including physical transfers, community mobility, and issues related to driving (B.5.11).
 3. Design and implement a treatment plan on a consumer, utilizing a sensorimotor approach (B.5.8).
 4. Apply proper technique for manual muscle testing when measuring strength.
 5. Assess joint range of motion using a goniometer (B.4.2).
 6. Execute a transfer of a consumer following proper and safe procedures (B.2.8).
 7. Assess a consumer using the Functional Independence Measure (FIM) scale (B.4.2).
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Topics Covered:

Lecture:

- Frames of Reference
- Kinesiology
- Motor Control
- Amputations, fractures, total hip/knee replacements
- Arthritis and hand injuries
- Back injuries;
- Work hardening
- Sensation
- Burns
- Cognitive and perceptual ability;
- Visual and perceptual disorders
- TIA, CVA, cardiopulmonary disorders

- Disorders of the Central Nervous System;
- TBI, SCI
- Psychosocial aspects of disability;
- Sexuality; AIDS

Lab:

- Overview of evaluations
 - Evaluation and Data Gathering
 - FIM scale
 - Range of Motion, goniometry
 - Muscle testing
 - Transfers and bed mobility
 - Durable Medical equipment and assistive devices
 - Home modifications and adaptations
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Information for Students

- Expectations of Students
 - [Civility Statement](#)
 - [Student Responsibility Statement](#)
 - [Academic Integrity Statement](#)
- [Accessibility Services](#)
Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
- [Get Help: JCC & Community Resources](#)
- [Emergency Closing Procedures](#)
- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.
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Effective Date: Fall 2021