

Modalities I Lecture

OTA1120 301

Course Description

Students study manual wheelchair parts/use/design/fit, ADL and IADL techniques & adapted devices; activity analysis; architectural accessibility and universal design; ergonomics; static splints/hand assessments, workplace design and patient cognitive levels. Designated as a Community-Engaged Learning course.

Prereq: Acceptance into the OTA program

Coreq: OTA 1130

Semester: Fall

The course helps students develop a familiarity with wheelchair usage and various types of adaptive equipment/appliances; use of an industrial sewing machine to fabricate patient supplies/splints; role-playing and teaching strategies, techniques for treatment in activities of daily living and instrumental activities of daily living; functional transfers, and cognitive assessment.

Course Student Learning Outcomes

- Demonstrate the importance of the history and philosophical base of the profession of occupational therapy through identification of compensatory equipment (and parts) with strategies to support function in context.
- Demonstrate the need for and use of compensatory strategies when desired life tasks cannot be performed.
- Assess a client's Allen Cognitive Levels (ACL) through a lacing task and apply that knowledge to appropriately adapt activities.
- Demonstrate oral and written communication skills by completing written papers and verbal informal communication in class.
- Demonstrate the ability to discuss the role of occupation in the promotion of health and the prevention of disease and disability for the individual, family and society in

the interactions with consumers for the adaptation of the environment or workplace.

- Use knowledge of ergonomic principles to communicate suggestions for workplace design and worker strategies in one or more community businesses.
- Exhibit the ability to communicate and collaborate with one or more community businesses on architectural design suggestions to improve the accessibility of the business for persons with disabilities.
- Draft a scaled modification of a residence for universal design prioritizing those needed for wheelchair users.
- Measure distances and heights for universal design compliance requirements of the Americans with Disabilities Act (ADA).
- Calculate body measures with workplace measures for ergonomic standards.
- Employ logical thinking, critical analysis, problem solving and creativity in written projects.
- Articulate the effects of health, disability, disease processes and traumatic injury to the individual within the context of family and society by choosing and designing appropriate adaptive equipment.
- Facilitate discharge planning by reviewing the needs of the client, caregiver, family and significant others; resources and discharge environment, client and others involved in discharge planning.
- Collect data through checklists, client interview and skilled observation to modify environments and adapt processes including the application of ergonomic principles.
- Exhibit the ability to communicate and collaborate with one or more community businesses on architectural design suggestions to improve the accessibility of the business for persons with disabilities.
- Articulate the role of sociocultural, socioeconomic, diversity factors and lifestyle choices in contemporary society when designing adaptive equipment and splints.
- Demonstrate the ability to utilize word processing for assignments and access course material/grades through Canvas.

Communication Plan

Email me at mary.pugh@slcc.edu.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	OTA 1120 Final Exam - Requires Respondus LockDown Browser + Webcam	Quiz	100
	Professionalism & Participation Points	Assignment	30
9/1	Activity Analysis	Assignment	25
9/9	Quiz #1: Wheelchair Quiz - Requires Respondus LockDown Browser + Webcam	Quiz	15
9/19	Architectural Accessibility Project Rough Draft	Assignment	0
9/26	Architectural Accessibility	Assignment	50
10/24	Workplace Analysis Assignment	Assignment	50
10/24	Workplace Analysis Assignment	Assignment	50
10/31	Cognitive Group ADM Assignment	Assignment	25

Due Date	Assignment Name	Assignment Type	Points
11/4	Quiz #2- Cognitive Level Screening and Teaching Strategies - Requires Respondus LockDown Browser + Webcam	Quiz	15
11/7	Business ADA Accessibility Compliance Assignment	Assignment	25
11/14	Allen Cognitive Levels and working with clients with cognitive disabilities	Discussion	15
11/25	Quiz #3 Splinting and Thermoplastics - Requires Respondus LockDown Browser + Webcam	Quiz	20

Brief Description of Assignments/Exams

Assignment descriptions are posted on canvas

Assignments, objectives, due dates and point values are subject to change per instructor. Changes will be noted in the Announcement area of Canvas course site and/or stated in class. It is the student's responsibility to check the site frequently for updates.

Grading Scale

GRADING SCALE:

95-100% A

90-94% A-

87-89% B+

83-86% B

80-82% B-

78-79% C+

75-77% C

71-74% C- Course retake required for C- and below

67-70% D+

64-66% D

60-63% D-

0-59% E

[How to Navigate to Canvas](#)

[Institutional Policies](#)

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)