

Advanced-Neuro For Vestibular Rehabilitation Course

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WEST COAST UNIVERSITY

Introduction: The Neuro Specialist Institute

- A non-profit continuing education provider in Los Angeles, CA
- AOTA Approved Provider
- Small team of renowned healthcare practitioners
- Mission: To equip healthcare professionals with the knowledge and skills to improve patient outcomes for individuals with neurological conditions



Identified Needs

- Incorporate current high-level, evidence-based research in vestibular rehab curriculum
- Emphasize a dynamic approach in addressing function in the curriculum
- Expand on the role of an interdisciplinary team in vestibular rehab

Literature Review

Current and Evidence-Based Treatment

 Using EBP and clinical practice guidelines in treatment can provide long-term benefits for patients with vestibular conditions, such as individuals with peripheral vestibular disorders (Dunlap et al., 2019).

Functional Performance

• Vestibular rehabilitation demonstrate improvements in their independence with ADLs and perceived self-confidence in daily routines (Aratani et al., 2020).

Interprofessional Learning

- Lack of standardization and training to healthcare professionals alienates patients with vestibular disorders from access to care from qualified experiences therapists (Bush & Dougherty, 2015).
- Interprofessional learning builds understanding and relationships across disciplines that allow for opportunities for skill growth and collaboration (Henderson et al., 2016).

Learning Objectives

By the end of the DCE, the capstone student has:

- 1. Developed a course book for an advanced course in vestibular rehabilitation
- 2. Develop pedagogical skills in creating course modules
- 3. Obtain advanced knowledge of vestibular conditions
- 4. Develop marketing materials for course advertisement

Program Description & Implementation

Capstone Focus Areas: Education & Program Development

Research and continuing education courses

Develop curriculum objectives and outline Develop course book and modules

Create multimedia materials

Interviews

Marketing Materials

Course Modules

Module 1: Overview of Vestibular Rehab

Module 2: Assessments

Module 3: Interventions

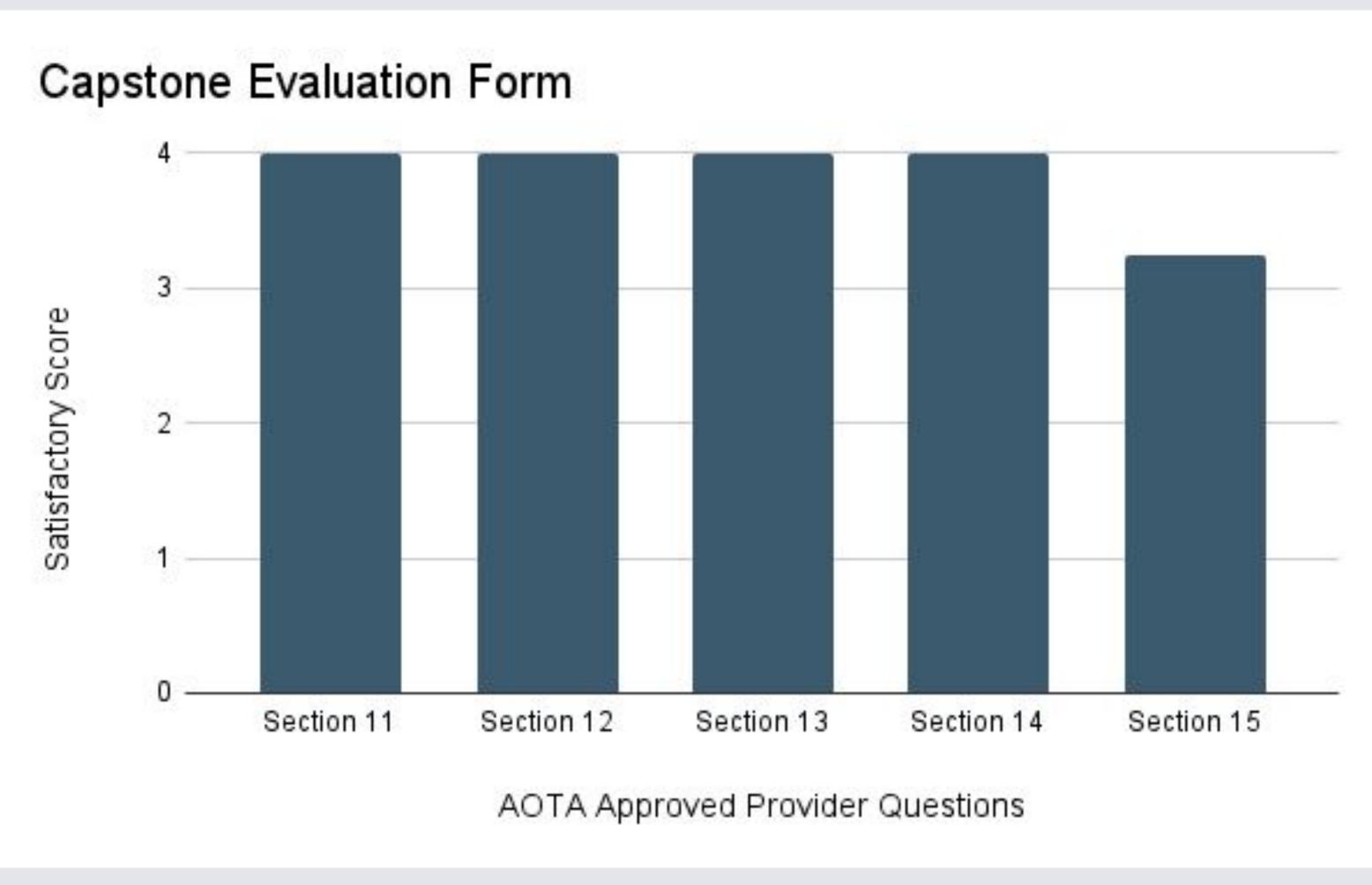
Module 4: Lived Experiences

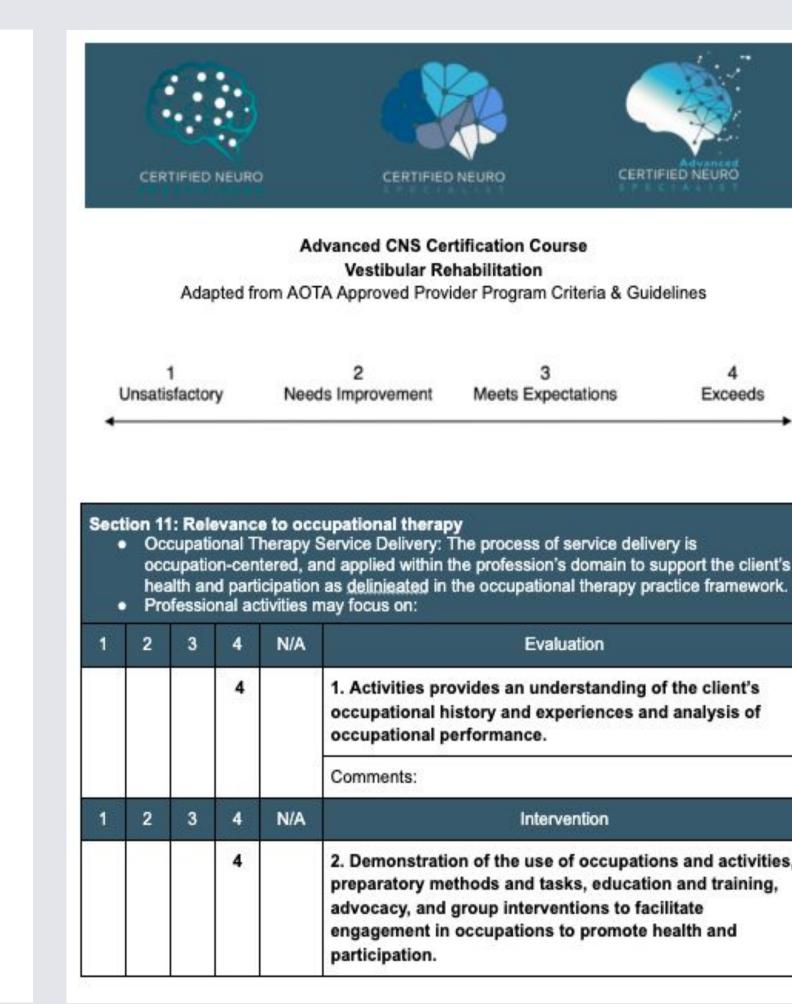
- An Advanced-CNS course for Vestibular Neurorehabilitation
- Covers 12.5 hours of asynchronous (online) educational content
- Student met with audiologists, physical therapists, and patients to gather information from an interdisciplinary care

Implications

- Trained OT practitioners can use knowledge from this project to optimize therapeutic outcome in treating patients with vestibular dysfunction
- The capstone student will continue to develop the course until it is fully published in 2024 and become an instructor

Evaluation & Outcomes





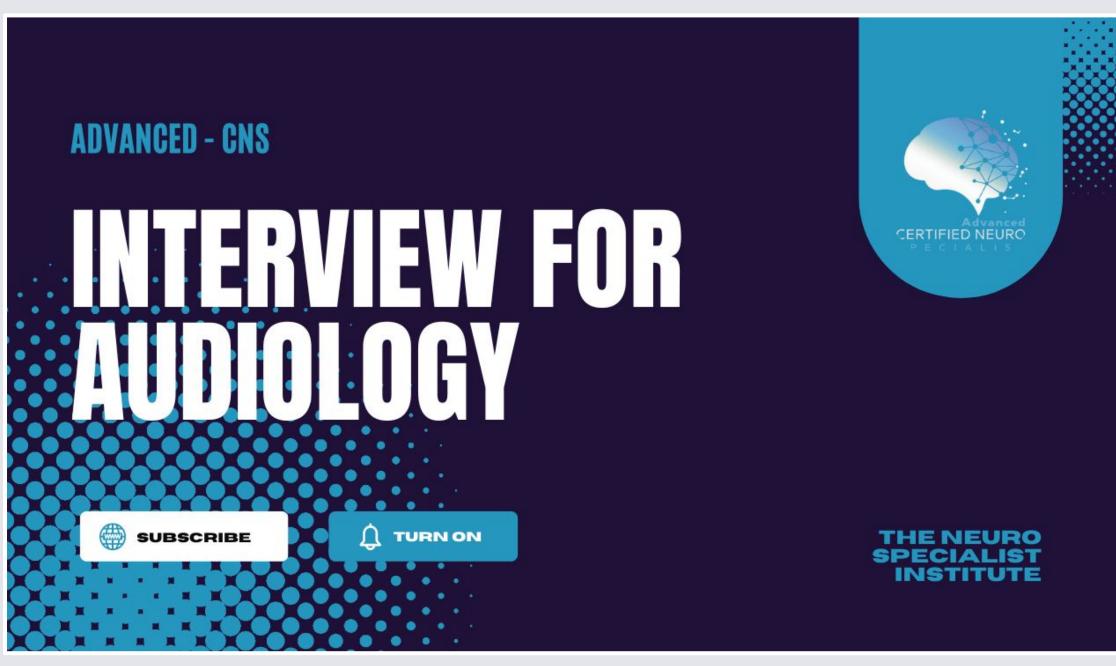
Completed form by capstone mentors based on sections 11-15 of **AOTA Approved** Provider Criteria & Guidelines = 93% criteria met

A semi-structured interview with site mentors:

- Strengths = organized sequence, use of evidence-based interventions, presentation of multimedia (i.e. pictures and interviews)
- Weaknesses = keeping the lecture engaging for participants and leaves room for improvement.

Scholarly Deliverables





Deliverables such as course book, modules, and multimedia will be property of The Neuro Specialist Institute

Acknowledgements

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References available upon request or use this QR code:

