## Mentors: Dr. Michael Ang, OTD, OTR/L, CNS, Dr. Patricia Bartolome, OTD, OTR/L, CNS, Dr. Manisha Sheth, OTD, OTR/L

## **Introduction: The Neuro Specialist Institute** 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 CERTIFIED **Program Description & Implementation** Capstone Focus Areas: Education & Program Development Research and Develop curriculum continuing education **Identified Needs** objectives and outline courses • Incorporate current high-level, evidence-based research in vestibular rehab Create multimedia Interviews materials Course Modules Literature Review Module 1: Overview of Using EBP and clinical practice guidelines in treatment can provide long-term Vestibular Rehab Module 2: Assessments Module 3: Interventions Module 4: Lived Experiences • Vestibular rehabilitation demonstrate improvements in their independence An Advanced-CNS course for Vestibular Neurorehabilitation • Covers 12.5 hours of asynchronous (online) educational content

• A non-profit continuing education provider in Los Angeles, CA

CERTIFIED NEURO

SPECIALIST

- 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



- curriculum
- Emphasize a dynamic approach in addressing function in the curriculum
- Expand on the role of an interdisciplinary team in vestibular rehab

## **Current and Evidence-Based Treatment**

benefits for patients with vestibular conditions, such as individuals with peripheral vestibular disorders (Dunlap et al., 2019).

## **Functional Performance**

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).

# **Advanced-Neuro For Vestibular Rehabilitation Course** Frances Villamin, OTD/s, CNP

UNIVERSITY

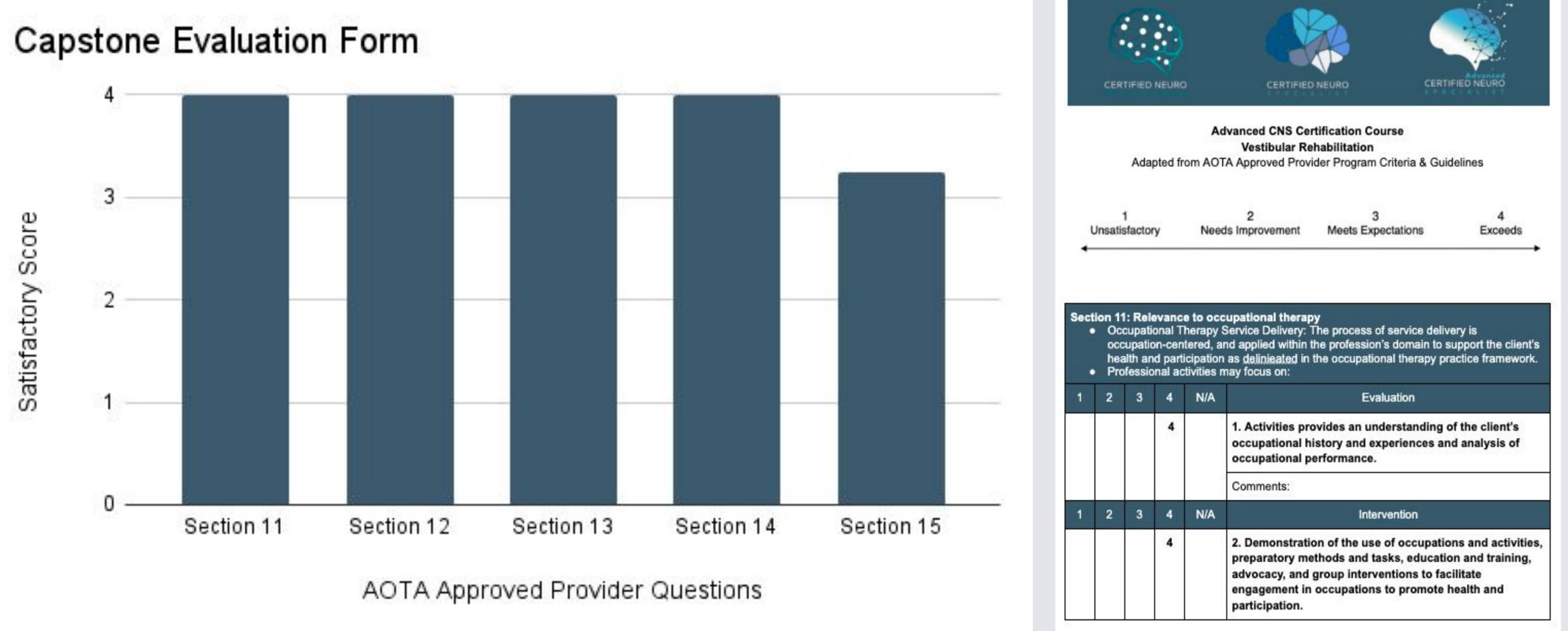
• Student met with audiologists, physical therapists, and patients to gather information from an interdisciplinary care

## 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

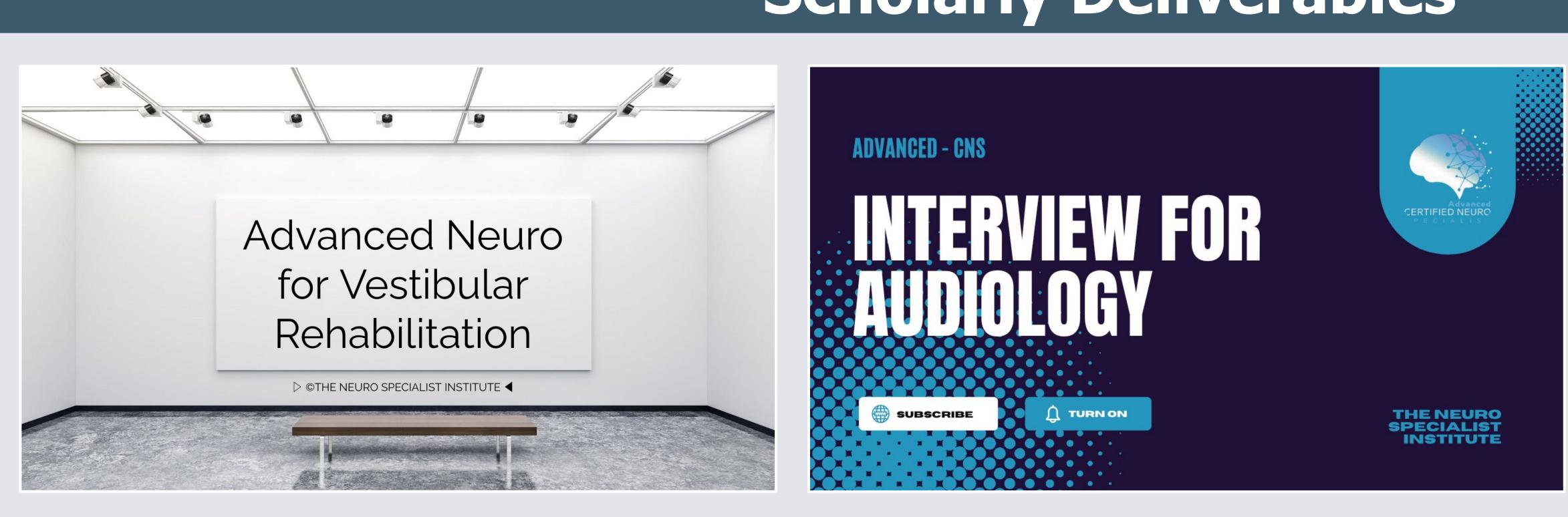
# WEST COAST





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.



Deepest gratitude to Dr. Ang and Dr. Bartolome for their mentorship and guidance throughout the entire project and for introducing me to the CNS family. Special thanks to Dr. Sheth for her guidance and support in my capstone. Lastly, I want to express my gratitude and appreciation to my loved ones who have supported me in this academic journey.



## **Evaluation & Outcomes**

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

## Scholarly Deliverables

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

## Acknowledgements

References available upon request or use this QR code:

