Developing Curriculum Using Simulation, Case-Based Learning, and Competencies in Entry-Level Occupational Therapy Education: Project Exemplar and Implementation Guide

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Session Learning Objectives

Describe the curricular development of a four part scaffolded course sequence integrating case-based learning, simulation, and competency assessment.

Identify strengths and areas for growth for curriculum development efforts integrating case-based learning, simulation, and competency assessment.

Reflect on potential methods to integrate case-based learning, simulation, and competency assessment into an entry level OTD curriculum.

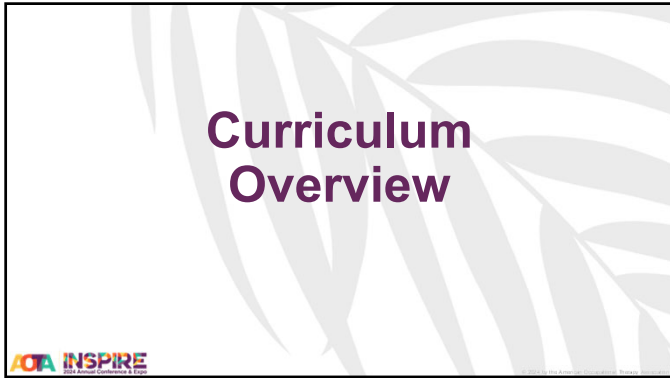© 2024 by the American Occupational Therapy Association
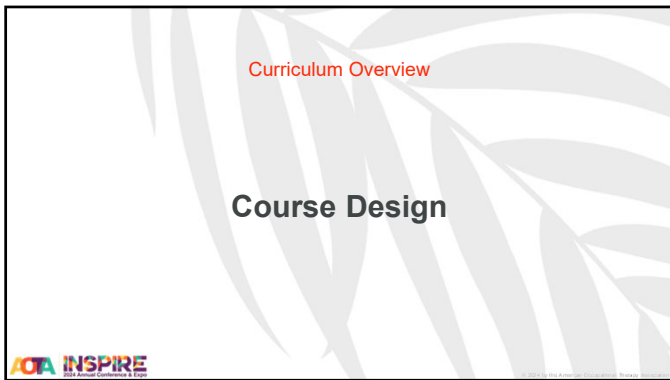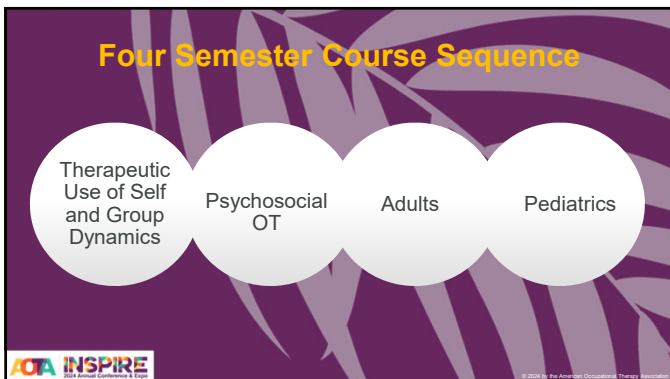
Session Agenda

Curriculum Overview

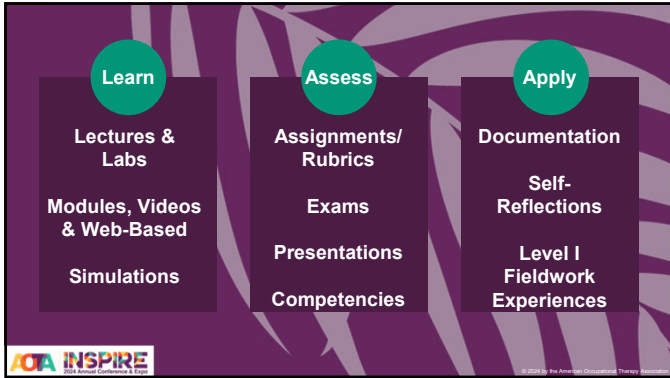Implementation & Lessons Learned

Questions, Answers, and Planning Activity

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Curriculum Overview

Curriculum Overview

Course Design

Four Semester Course Sequence

Therapeutic Use of Self and Group Dynamics

Psychosocial OT

Adults

Pediatrics

Learn

Lectures & Labs

Modules, Videos & Web-Based

Simulations

Assess

Assignments/ Rubrics

Exams

Presentations

Competencies

Apply

Documentation

Self-Reflections

Level I Fieldwork Experiences

Curriculum Overview

Level I Fieldwork

Course Content
Populations and settings that align with the course content.

Identify Community Partners

Develop Experiences
Develop the experiences and assignments for each course.

Curriculum Overview

Assessment

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Case-Based · **Simulation** · **Competency**

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Implementation

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Implementation

Principles of Practice I:
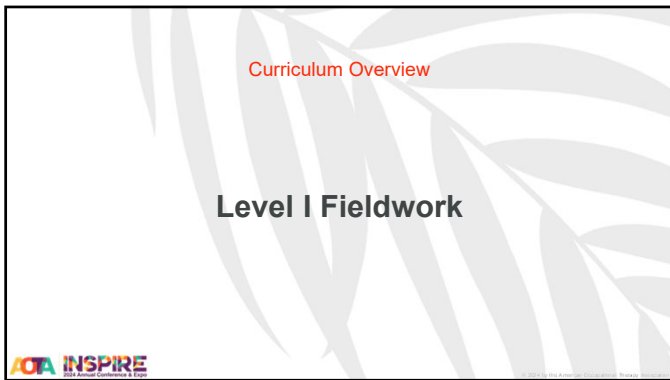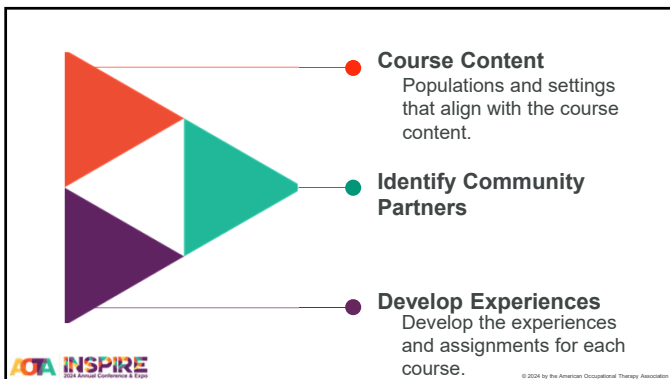## Therapeutic Use of Self and Group Dynamics

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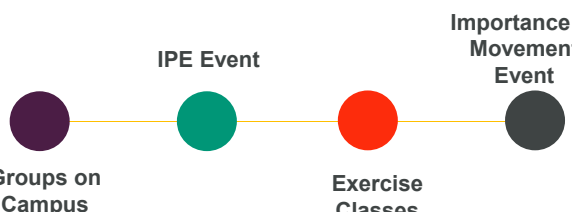
Principles of Practice I:
Therapeutic Use of Self and Group Dynamics

• Course objectives tied to ACOTE Standards

• Learning experiences
  ○ Lectures
  ○ Labs
    ▪ Direct experience with evaluation/assessment tools
    ▪ Case-Based group planning & peer simulation
  ○ Self-reflections
• Assessment Types
  ○ Traditional
  ○ Case-Based
  ○ Simulations
  ○ Competency

B.1.2
B.1.3
B.2.1
B.4.1
B.4.26
B.4.27
C.1.7
C.1.9

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Level I FW Experiences

IPE Event

Importance of Movement Event

Groups on Campus

Exercise Classes

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30%
Traditional Assessments

Exam
Projects
Self- Assessment

60%
Case-Based Assessment
Exam
Interview Simulations
Lab assignments
Self Reflections
Fieldwork Assignments

10%
Competency Assessment

Final Group Dynamic Assessment

Learn
Lectures
Labs
Modules & Videos
Simulations

Assess
Interview Skills
Group Protocols & Session Outlines
1 Competency

Apply
Documentation
Self- Reflections
Level I Fieldwork Experiences

Implementation

**Principles of Practice II:
Psychosocial
Occupational Therapy**

Principles of Practice II:
Psychosocial Occupational Therapy

- Course objectives tied to ACOTE Standards

- Learning experiences
  - Lectures
    - Faculty, guest lectures, student presentations
  - Labs
    - Direct experience with evaluation/assessment tools
    - Case-Based treatment planning
  - Other
    - Self-reflections, web-based, online modules
- Assessment Types
  - Traditional
  - Case-Based
  - Simulation/ Competency

B.4.3
B.4.2
B.4.5
B.4.6
B.4.10
B.4.16
B.4.18
B.4.22
B.4.23
B.4.26
B.4.28
C.1.7 & C.1.9

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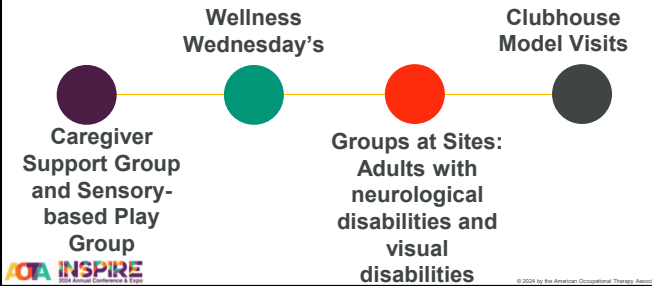Level I FW Experiences

Wellness Wednesday's

Clubhouse Model Visits

Caregiver Support Group and Sensory-based Play Group

Groups at Sites: Adults with neurological disabilities and visual disabilities

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35%
Traditional Assessments

Exams
Presentations
Self- Assessment

45%
Case-Based Assessment

Self- Reflections
Lab Assignments
FW Assignments

20%
Competency Assessment

Assessment &
Intervention
Competencies

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Learn

Lectures & Labs

Online Modules

Videos & Web-Based

Simulations

Assess

Midterm & Final Exams

Assignments

Presentation

2 Competencies

Apply

Documentation

Self- Reflections

Level I Fieldwork Experiences

Implementation

**Principles of Practice III:
Adult
Occupational Therapy**

**Principles of Practice III:
Adult Occupational Therapy**

- Course Objectives tied to ACOTE Standards

- Learning experiences
  - Lectures
    - Faculty, guest speakers, web-based
  - Labs
    - Direct experience with evaluation/assessment tools
    - Case-based treatment planning
    - Peer feedback competency
  - Self-reflections
- Assessment Types
  - Traditional
  - Case-Based
  - Simulation, Skills Check out, and Competency

B 3.7
B.4.2
B.4.3
B.4.15
B.4.16
B.4.20
B.4.22
B.4.26
C.1.7
C.1.9

Co-curricular Course Support

Adult OT
- Lectures
  - Faculty & guest Speakers
- Labs
  - Direct experience with evaluation/assessment tools
  - Case-based treatment planning
  - Peer feedback competencies
  - Web-based online modules
- Assessments
  - Traditional
  - Case-based
  - Electronic Health Record documentation
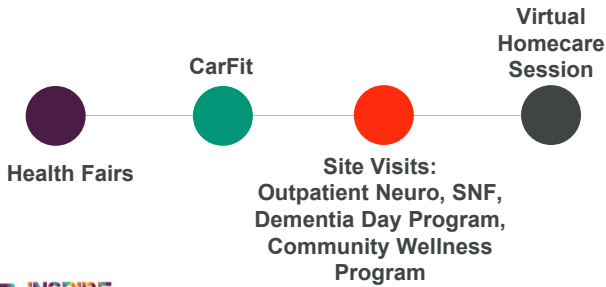 - Simulation, Skills Check out, and Competency

Adulthood and Aging
- Lectures
  - Faculty, guest speakers, web-based
- Labs
  - Direct experience with evaluation/assessment tools
  - Case-based treatment planning
  - Web-based learning
- Assessments
  - Traditional
  - Case-Based learning
  - Electronic Health Record documentation

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Level I FW Experiences

- Health Fairs
- CarFit
- Site Visits: Outpatient Neuro, SNF, Dementia Day Program, Community Wellness Program
- Virtual Homecare Session

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40% Traditional Assessment
Exams
Lab assignments
Self- Assessment

25% Case-Based
Exams
Lab assignments
Web-based assignments
FW assignments.

35% Competencies
Skills Checkouts
Evaluation & Intervention Competencies

Learn	Assess	Apply
Lectures & Labs	Midterm & Final Exams	Documentation
Web-Based learning	Peer Feedback	Self- Reflections
Modules & Videos	2 Skills Checkouts	Level I Fieldwork Experiences
Simulations	2 Competencies	

Implementation

Principles of Practice IV: Pediatric Occupational Therapy

Principles of Practice IV: Pediatric Occupational Therapy

- Course objectives tied to ACOTE Standards
- Learning experiences
  - Lectures
    - Faculty, guest lectures, student presentations
  - Labs
    - Direct experience with evaluation/assessment tools
    - Case-based treatment planning
  - Other
    - Self-reflections, web-based, online modules
- Assessment Types
  - Traditional
  - Case-Based
  - Simulation / Competency

B.4.2
B.4.3
B.4.5
B.4.6
B.4.8
B.4.10
B.4.16
B.4.18
B.4.22
B.4.23
B.4.26
B.4.28
C.1.7
C.1.9

Co-curricular Course Support

Pediatric Occupational Therapy
- Lectures
  - Faculty & Guest Speakers
  - Student presentations
- Labs
  - Case-based evaluation/ assessment and intervention planning
- Assessments
  - Traditional
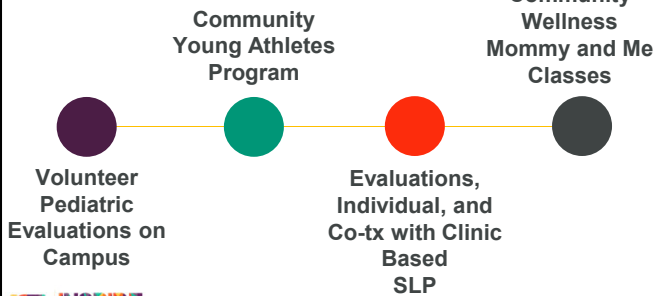 - Case-based
  - Simulation/ competency

School Based Practice
- Lectures
  - Faculty & Guest Speakers
  - Student presentations
- Labs
  - Case-based evaluation/ assessment and intervention planning
- Assessments
  - Traditional
  - Case-based
  - Simulation/ competency

Level I FW Experiences

Community Young Athletes Program

Community Wellness Mommy and Me Classes

Volunteer Pediatric Evaluations on Campus

Evaluations, Individual, and Co-tx with Clinic Based SLP

30%
Traditional Assessments
Exams (Partial)
Presentations (Partial)
Self- Assessment

45%
Case-Based
Exams (Partial)
Presentations (Partial)
Self- Reflections
Lab Assignments
FW Assignments

35%*
Simulations as Competencies
Dysphagia
Evaluation
Intervention

School Based adds 10%

Learn

Lectures & Labs

Modules, Videos & Web-Based Learning

Site Visits

Simulations

Assess

Midterm & Final Exams

Assignments

Presentations

4 Competencies

Apply

Documentation

Self- Reflections

Level I Fieldwork Experiences

Lessons Learned

Case-Based

Simulation

Competency

Integration of Case-Based Learning

Lecture Scenarios
In-Class Activities
Lab Activities
Weekly Self- Reflections
Level I Fieldwork Experiences
Simulations (high and low fidelity)
Competencies

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Scaffolding of Simulation Experiences

2	2	5	4
Groups	Psychosocial	Adults	Pediatrics

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Scaffolding of Competency Assessment

1	2	4	4
Groups	Psychosocial	Adults	Pediatrics

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Skills Training in Simulation Center

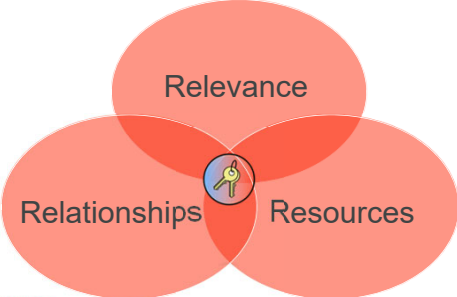**Motor Learning Lab**

Case-Based Learning in Pediatrics

Tips, Tricks, Suggestions
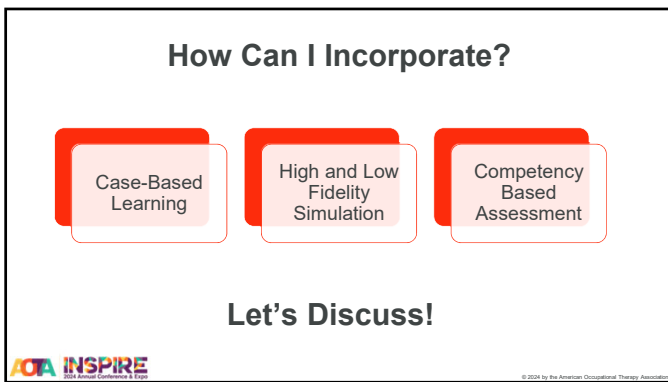
Keys to Success

Relevance

Relationships

Resources

Planning Activity

How Can I Incorporate?
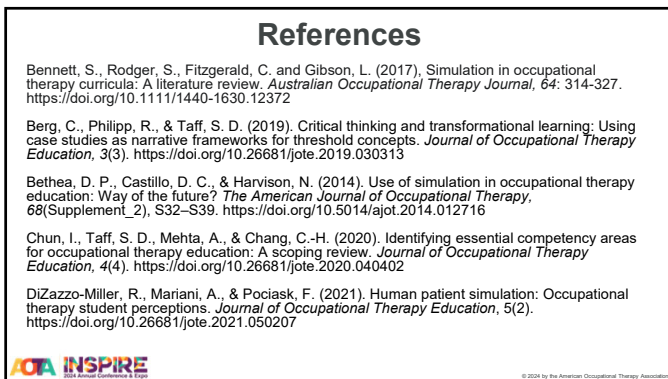
| Case-Based Learning | High and Low Fidelity Simulation | Competency Based Assessment |

Let's Discuss!

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Q&A

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