Hybrid Classroom Design

Dr. Kirsten Davin OTD, OTR/L, ATP, SMS
Clinical Assistant Professor & Academic Fieldwork Coordinator
Baylor University Occupational Therapy Doctorate (OTD) Program

Join at slido.com #123487

Session Objectives

- Participants will identify three methods to developing hands-on clinical skills in a virtual or simulated environment.
- Participants will name two potential benefits to the utilization of a telepresence robot in a clinical setting.
- Participants will state three benefits to implementing virtual and simulated clinical experiences within a healthcare education program.
Baylor EL OTD Education Overview

41% Online Virtual Classroom
32% Fieldwork
53% Mentored Doctoral Capstone Experience
15% On-site Lab

*Percentages are approximations

Join at slido.com #123487

Fieldwork Education Overview

YEAR ONE
Level IA FW – Mental Health
Level IB FW – Adult & Older Adult
Level IC FW – Children & Youth

YEAR TWO
Level II FW I – January to April
Level II FW II – May to July

Variance in Level I Fieldwork Experiences
Consider the two images shown on the previous slide. Do you feel these two students may leave their Level I fieldwork experiences with varying levels of competency, confidence or preparedness towards their Level II?

Join at slido.com #123487

**Level I Fieldwork**

- FW Level IA: Mental Health
- FW Level IB: Adult & Older Adult
- FW Level IC: Children & Youth

Each Level I fieldwork course is six (6) modules in length and contains:
- Five (5) synchronous sessions (e.g. live classrooms via Zoom)
- Voice-over lectures, guided learning activities (often used for discussion in synchronous sessions, FlipGrid, etc.)
- ICE videos
- A SIMUCASE assessment with three (3) attempts at proficiency (score of ≥ 90%)
- Two (2) days (15 hrs.) of onsite clinical experience with simulated patients in a simulated environment
- A final, cumulative project

What challenges have you faced (or would you anticipate facing) in the transition from a hands-on, on-site clinical rotation (fieldwork) to a virtual platform?

Join at slido.com #123487
Synchronous Sessions
Live, interactive time via a teleconference platform. Helpful for:
- Discussing course content
- Providing clinical experiences that warrant discussion or live exploration
- Hosting live activities with classmates in break-out rooms
- Polling, quiz practice, Q&A
- Allowing an open forum for ‘taking the temperature’ of the class, preparing for onsite clinical experiences, etc.

Padlet, Flip Grid & More!
Motivational Interviewing
After viewing the week’s multimedia presentations and participating in the synchronous session, provide a demonstration of your ability to complete a motivational interview. Select an individual (family member, neighbor, roommate, etc.) to serve as the client and practice motivational interviewing techniques such as:
- Presenting open-ended questions which focus on asking the client about performance problems, client values, and performance skills to gather information for occupational goals.
- Demonstrating the ability to use active listening skills and non-verbal communication such as paraphrasing, head nodding, eye contact, etc.
You will have up to 15 minutes to complete your interview. After posting your FlipGrid video, please write at least two 2-3 word student’s interviews and provide supportive feedback. The initial part is due Thursday of Module 1, the response part due by Tuesday of Module 2.

Padlet, Flip Grid & More!

Padlet, Flip Grid & More!
An abundance of interactive applications are available to encourage virtual collaboration, support online learning, and community building between classmates. What are your two favorite interactive apps for use in the virtual classroom?

Join at slido.com
#123487

Padlet, Flip Grid & More!

An abundance of interactive platforms exist to promote online education:

- **Adobe Spark** – Incorporate with discussion and/or peer review
- **Kahoot** – Quiz-based app for testing, games, etc.
- **Scrumblr** – Bulletin board concept - www.scrumblr.ca
- **Slido** – Used in today’s presentation – Download Slido app for use in PPT, etc.
- **EdPuzzle** – Incorporate questions, and/or comments into an existing YouTube video for review and practice
SIMUCASE Application

- SIMUCASE may be utilized in Learning Mode or Assessment Mode.
- Contains ‘pre-brief’ material similar for student review – Similar to a chart review.

Each Level I FW course contains at least one required SIMUCASE patient evaluation or intervention.
- Students may practice in learning mode.
- Students will perform an evaluation or intervention session in assessment mode to receive a score.
- The best of three scores is retained for a course grade.

2-Day Onsite Clinical Experience

Eight (8) stations, each with a different practice setting:
- Acute care/ICU
- Inpatient neuro rehab
- Inpatient cardiac
- Skilled nursing facility
- Home health
- Outpatient
- Multi-trauma/Inpatient rehab
- Acute Inpatient
FW Level IB
Adult & Older Adult Populations

- Accommodate for COVID-19 or other illness
- Encourage interprofessional interaction
- Promote clinical reasoning and a rapid response to inquiries from other healthcare disciplines
Interprofessional and Familial Collaboration

The telepresence robot offered the opportunity for simulated interaction with the following healthcare team members:

- Social worker/Care management
  - Home equipment, D/C planning
- Family
  - Inquiring on status/outcomes
- Physician/Trauma/Medical Team
  - Inquiring on performance, ADL, mobility and general well-being

Telepresence Robot Study Outcomes


Telepresence Robot Study Outcomes

- 24 paired SDS forms
- 21 paired SSSL forms received:
  - SDS scoring:
    - 88.63 (+/- 7.39)/100 = FW IA
    - 91.00 (+/- 6.51)/100 = FW IB
  - SSSL scoring:
    - 55.67 (+/- 8.4)/65 = FW IA
    - 59.89 (+/- 4.62)/65 = FW IB

*SDS = Simulation Design Scale
**SSSL = Student Satisfaction and Self-Confidence in Learning Scale
Looking Ahead... What's the Significance?

- Creation of a 'safe space' for clinical practice
- Offer repeated opportunities for exposure to an array of diagnoses
  - ICE Videos, SIMUCASE, etc.
- Live streaming of real-time interventions
- Offer the student the opportunity to practice and prepare outside of class

Audience Q & A Session

Join at slido.com #123487