



The WVU School of Medicine Office of Continuing Medical Information
Presents

“Simulation Certificate Program”



February 25-27, 2025

**Location: STEPS
3rd floor WVU HSC**

Information:

For more information, please contact Lee Ann Miller, EdD 304-293-5533

Target Audience:

This presentation is designed for instructors with interest in quality teaching with simulation.

Registration:

To register for the course, please follow the registration link: <https://forms.office.com/r/fUVui2PC7m>

Fees:

\$1,500 for external candidates [CE Provided for an additional fee]

\$750 for internal candidates [CE Provided for an additional fee]

The STEPS Simulation Certificate Program is now offering limited full-tuition scholarships for faculty of the WVU Health Sciences. If you are interested and available to participate, please complete the online application: <https://forms.office.com/r/f5CmQ70U6m>

AGENDA:

Level I: *Introduction to Simulation*

- 8:00 am Welcome and Introduction (Williams)
- 8:15 am Exemplary Video Presentation
- 8:30 am Orientation to Simulation (Summers)
- 9:00 am Simulation Modalities (Kiefer Doerr A Hoffman Wamsley Craig)
- 9:45 am Applied Simulation Modalities (Doerr)
- 10:00 am Components of Simulation (Summers)
- 11:00 am IPE (Baugh)
- 11:30 am Learning Theory for Simulation (Miller)
- 12:00 pm LUNCH
- 1:00 pm Learning management system/Assessment (K Hoffman)
- 2:00 pm Learning Objectives (Craig) and Scenario Development (Kiefer)
- 3:00 pm Debriefing Intro and workshop (Tullock)
- 4:00 pm Adjourn – observe IDEAS

Level II: *Applied Techniques of Simulation Education*

- 8:00 am Objectives Workshop (Craig)
- 9:00 am Scenario Workshop (Kiefer)
- 10:00 am Creating Debriefing Questions (Tullock)
- 11:00 am Sim development time
- 12:00 pm LUNCH
- 1:00 pm Run an SP Simulation (All available)
- 2:00 pm Run a Debriefing (Tullock Kiefer/Lynch)
- 2:30 pm Reflecting on our Simulation Event (Tullock)
- 4:00 pm Adjourn

Level III: *Advanced Topics in Simulation –*

- 8:00 am Virtual Reality Simulation (Hoffman)
- 8:30 am Difficult Sim Situations: To die or not to die (Williams)
- 9:30 am Diff Sim Scenarios - what do you do when it all goes off the rails? (Kiefer)
- 10:30 am Simulation Creation Workshop
- 12:00 pm LUNCH
- 1:00 pm Conduct Simulation #2 for each other (All available)
- 2:00 pm Conduct Debriefing on Simulation #2 (Tullock Hoffman/Craig)
- 3:30 pm Wrap up, Debrief and Evaluation (Summers Williams)
- 4:00 pm Adjourn

Objectives – Following this course, participants should be able to:

Day 1: Describe the 4 components of simulation

- Identify opportunities for simulating real-world situations of the health professions.
- Given 4 modalities of simulation, differentiate their purposes. Discuss how simulation doesn't work for everything.
- Integrate modality knowledge in hands-on exercises.
- Identify 4 components of simulation.
- Apply moulage techniques for realism in SP and manikin scenarios.
- Describe what a learning management system is. List the advantages of using a learning management system. Discuss how to incorporate learning management into simulation and assessment.
- Identify measurable learning objectives and Identify complete case scenarios. Correctly identify the components of a SMART Learning Objective. Organize the various components of a simulation scenario into a complete document. Construct, as a group, a set of 3 properly formatted learning objectives for a simulation scenario using the prescribed criteria.
- Discuss methods of providing feedback in a debriefing session.

Day 2: Apply techniques of simulation education

- Construct 2-3 objectives for chest pain event with manikin and 3rd year nursing student.
- Choose a tool for assessing learner's progress and/or competency. Utilize multiple assessment modalities to triangulate observations.
- Integrate knowledge of simulation modalities and write a case scenario which outlines the details of a learning activity.
- Construct open ended questions related to the simulation experience; Select appropriate debriefing methods for the simulation experience; Demonstrate techniques to monitor progress of debriefing.
- Prepare the simulation operator. Pre-brief the learners. Perform the role of instructor during a simulation
- Debrief the simulation experience - debriefed by staff
- Implement whole group debriefing/evaluation and integration of feedback from STEPS. Review each other's group with peer feedback.

Day 3: Integrate advanced topics into simulation education

- Recognize the intricacies of utilizing technologies to set up and perform a manikin or task training educational scenario
- Integrate task trainers into sim activities (sonosim, vimedix, sp tools, lucyAR, pelvic exam SP)
- Discuss the pros and cons of simulator death
- Use realism to increase learner engagement.
- Develop manikin simulation #2
- Prepare the simulation operator. Pre-brief the learners. Perform the role of instructor during a simulation. Debrief the simulation experience.

Continuing Education Credit:

The West Virginia University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The WVU Office of CME designates this live activity for a maximum of 20.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This continuing education activity has been provided by the WVU School of Nursing for 24.30 contact hours. The WVU School of Nursing is an approved provider of continuing education by the State of West Virginia Board of Examiners for Registered Professional Nurses, Legislative Rule #19CSR11-4 under provider number 50-26086.

Disclosure: All those in a position to control content have indicated that they have no relevant interests to disclose.

Speakers / Presenters / Instructors:

Andrea Bailey, APRN, FNP-BC, MSN
Director of Nursing Simulation

Lee Ann Miller, EdD, CHSE-A
Assistant Director of Education, STEPS

Ashleigh Barrickman, PharmD
Director of Simulation, School of Pharmacy

Daniel Summers, RN, BSN, CEN, CHSE
Director, STEPS

Gina Baugh, PharmD
Director of IPE and School of Pharmacy

William Tullock, MD, CHSE
Adjunct Faculty, STEPS

Jason Craig, CHSE-A
Simulation Specialist, STEPS

Dorian Williams, MD, FAAFP, CPI, CHSE
Assistant Dean for Technology and Simulation,
Medical Education Medical Director, STEPS
Professor, Predoctoral Director, Family Medicine

Russell Doerr, CHSE
Lead Simulation Specialist, STEPS

Christopher Kiefer, MD, FACEP
Assistant Professor Associate Program Director,
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Joseph Lynch, MD, FAAP, CHSE
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