



The WVU School of Medicine Office of Continuing Medical Information
Presents

“Simulation Certificate Program”



June 24-26, 2025

Location: STEPS 3rd floor WVU HSC

Time: 8:00am – 4:00pm

Information:

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

Target Audience:

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

Registration:

To register for the course, please follow the registration link:

<https://forms.office.com/r/7iwH7gHkqQ>

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/tXFMa9281p>

AGENDA:

Day One June 24, 2025 Level I: <i>Introduction to Simulation</i>		
Time	Instructor	Topic
8:00	Williams	Welcome and Introduction - PRE COURSE VIDEO
8:30	Summers	Video breakdown - Orientation – Components
9:15	Doerr, Miller, Hoffman A	Simulation Modalities – manikin, SP, TT/VR
10:15	Doerr	Applied Simulation Modalities
10:30	Bailey	Standards of Best Practice
11:00	Miller	Learning Theory for Simulation
11:30	LUNCH – on your own	
12:30	Craig	Learning Objectives
1:00	Kiefer	Scenario Development
1:30	Hoffman, K	LMS/Assessment
2:30		Objectives creation time
3:00	Craig	Objectives workshop
4:00	Adjourn	

Day Two June 25, 2025 Level II: <i>Applied Techniques of Simulation Education</i>		
Time	Instructor	Topic
8:00	Kiefer	Scenario Creation Workshop
9:00	Tullock	Debriefing Intro
10:00	Tullock	Creating Debriefing Questions
11:00	Bell	Manikin tips n tricks
12:00	LUNCH – on your own	
1:00		Conduct Sim #1 with learners
2:00		Conduct Debriefing on Simulation #1
3:00		Reflecting on our Event – <i>debrief scenario preparation</i>
4:00	Adjourn	

Day Three June 26, 2025 Level III: <i>Advanced Topics in Simulation</i>		
Time	Instructor	Topic
8:00	Lynch	Suspending Disbelief
8:30	Kiefer	Diff Sims: What do you do when it all goes off the rails?
9:30	Williams	Difficult Sims: To die or not to die
10:30	Hoffman, K	Interprofessional Education
11:00		Sim Creation Time
12:00	LUNCH – on your own	
1:00		Conduct Sim #1 with each other
2:00		Conduct Debriefing on Simulation #1
3:00		Wrap up, Debrief and Evaluation
4:00	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.
- Integrate modality knowledge in hands-on exercises.
- Identify 4 components of simulation.
- Explore INACSL Standards of Best Practice.
- 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.
- Choose a tool for assessing learner's progress and/or competency. Utilize multiple assessment modalities to triangulate observations.

Day 2: Apply techniques of simulation education

- Discuss methods of providing feedback in a debriefing session.
- 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.
- Recognize the intricacies of utilizing technologies to set up and perform a manikin scenario.
- Differentiate different types of software and their capabilities .
- 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
- Identify Interprofessional opportunities in health science education.
- 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 (ACCME) to provide continuing medical education for physicians.

The WVU Office of CME designates this live activity for a maximum of 20.5 *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 24.60 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:

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Director of Nursing Simulation

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Assistant Director of Education, STEPS

Josh Bell, CHSE-SOS
Simulation Operations Specialist

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

Jason Craig, CHSE-A
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William Tullock, MD, CHSE
Adjunct Faculty, STEPS

Russell Doerr, CHSE
Lead Simulation Specialist, STEPS

Dorian Williams, MD, FAAFP, CPI, CHSE
Assistant Dean for Technology and Simulation,
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Adam Hoffman, MCCC
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Christopher Kiefer, MD, FACEP
Assistant Professor Associate Program Director,
Emergency Medicine, School of Medicine, WVU

Joseph Lynch, MD, FAAP, CHSE
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Kathryn Hoffman, MA, CHSE
IPE Project Manager/STEPS Research Coordinator