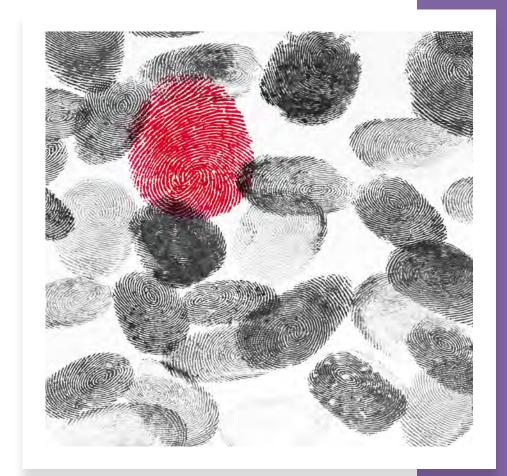
Immersive Forensic Science Education

•From VR Crime Scenes to Virtual Autopsies

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Coppin StateUniversity



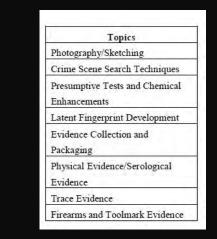
Why Immersive Learning?

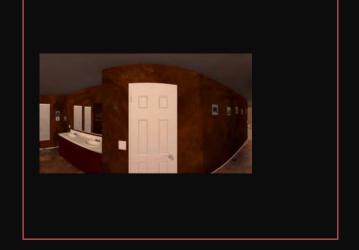
- •Traditional methods: barriers (cost, logistics, access)
 - •VR/Simulations = safe, repeatable, hands-on
- Bridges theory with practice + accessibility



Study 1 – Virtual Crime Scenes (2024)

- •Undergrad (CRJU486) & Grad (CRJU524)
- Tools: Oculus Quest, 360°
 videos, Playposit
 - •Activities: search, photography sketching, ev ollection





Outcomes – Virtual Crime Scenes

- High engagement & completion rates
 - Strong graduate performance
- Positive external recognition (OLC Innovate 2024)
- •Students gained deeper understanding & confidence





Study 2 – Virtual Autopsy Simulation (2025)

- Graduate course: Death Investigation (CRJU524)
- Tool: Autopsy Simulator (Woodland Games)
- 6-week pilot, 10



Goal Scale

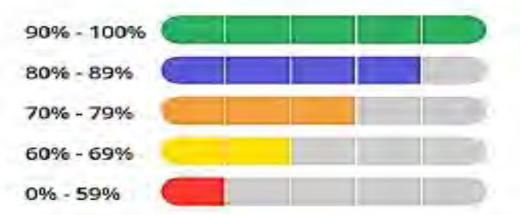
Distinguished

Advanced

Proficient

Foundational

Needs Improvement

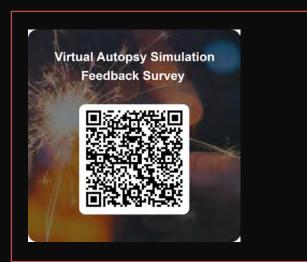


Outcomes – Virtual Autopsy

- •90% reported enhanced learning & skill development
- Mastery Report: Analytical Reasoning, Critical Thinking, Quantitative Literacy

Accessibility & Inclusion

- •Playposit: captions, transcripts, alternative formats
- •Microsoft Forms: screen-reader compatible
 - •Alternatives: video walkthroughs, keyboard input
- Aligned with UDL and CSU accessibility standards





THANK YOU

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Virtual Reality in Higher Education

From Simulation to Capstone:
Implementing Virtual Autopsy Software in
Forensic Science Education