

Pharmacy Learning Objectives Teaching Scholars Summer Institute 2018

Day One, Monday, June 4, 2018

ACPE UAN: 0072-9999-18-061-L04-P (AM Session – 4 contact hours)

ACPE UAN: 0072-9999-18-062-L04-P (PM Session – 2.75 contact hours)

ACPE UAN: 0072-9999-18-063-L04-P (Simulation Session - 3:00-6:00 PM - 3 contact hours)

- 8:30 – 9:30 am **Survey Research (Knowledge-based)**
Presenter: Lesley E. Cottrell, PhD
- Identify and understand the individual components of survey research.
 - Distinguish between types of surveys.
 - Identify design issues (+/-).
 - Discuss differences between reliable and valid survey methods.
 - Describe how to apply survey research principles to real world ideas.
- 9:30 – 10:30 am **Flipping the Classroom: The What, Why and How of Flip Teaching (Knowledge-based)**
Presenter: Tara Whetsel, PharmD, BCACP, BC-ADM
- Describe flip teaching.
 - Discuss the potential advantages of a flipped classroom.
 - Describe the steps involved in developing a flipped classroom.
 - Describe how team based learning can be incorporated into a flipped classroom.
- 10:30 – 10:45am **Break**
- 10:45 – 11:45 am **Clinical Teaching (Knowledge-based)**
Presenter: Rashida Khakoo, MD, MACP
- Discuss the importance of clinical teaching.
 - Discuss various effective methods of teaching in clinical settings.
 - Discuss opportunities and challenges of clinical teaching.
- 11:45 – 12:45pm **Rubrics (Knowledge-based)**
Presenters: Marie Abate, PharmD
- Describe the types and key components of a rubric.
 - Discuss the potential advantages with the use of rubrics as learning and assessment tools
 - Describe the steps involved in developing and modifying a rubric
 - Discuss how to construct a rubric to meet an identified student learning/assessment need
- 12:45 – 1:45 pm **Lunch**
- 1:45 – 3:00pm **Inter-Professional Education (Knowledge-based)**
Presenter: Gina Baugh, PharmD
- Discuss multiple aspects of Interprofessional Education (IPE), including advantages of IPE and collaborative practice (Ex. HealthCare Reform and the need for more provider types, lower costs, and improved patient care).
 - Describe the four Interprofessional competencies developed by the WVU IPE Workgroup.
 - Discuss techniques to address the barriers and challenges to IPE in teaching (ex. Schedules; course credit)

3:00 – 4:30 p.m.

Summer Institute Mini-Lesson (Application-based)

Presenter: Anna Lama, MA

- Plan and perform a 10 minute lesson on how to build a paper airplane.
- Discuss and analyze teaching modalities related to lesson plan development.

3:00 – 6:00 pm

WV Simulation Training and Education for Patient Safety (STEPS) - LEVEL ONE

Simulation Scholars Only (Application-based)

**Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE
Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD,
CHSE**

- Identify measurable learning objectives and identify complete case scenarios.
- Explain why assessment is important when planning simulation and identify assessment techniques including LMS.
- 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.

Day Two, Tuesday, June 5, 2018

ACPE UAN: 0072-9999-18-064-L04-P (AM Session – 4 contact hours)

ACPE UAN: 0072-9999-18-065-L04-P (PM Session – 2.75 contact hours)

ACPE UAN: 0072-9999-18-066-L04-P (Simulation Session- Scholars Only - 4:00 – 5:15 PM - 1.25 contact hours)

- 8:00 – 9:00 am **Feedback (Knowledge-based)**
Presenter: Rashida Khakoo, MD, MACP
- Distinguish between feedback and evaluation.
 - Describe the importance of feedback as part of any educational endeavor.
 - Discuss the importance of feedback in improvement of learning experiences.
 - Discuss giving and receiving feedback.
- 9:00 – 10:00am **Qualitative Research Methods (Knowledge-based)**
Presenter: Danielle M. Davidov, PhD
- Describe three qualitative research methods.
 - Identify research questions that are appropriate to the various qualitative methods.
 - Discuss the concept of methodological rigor in qualitative research methods.
- 10:00 – 10:15 am **Break**
- 10:15 – 11:15am **Intergenerational Conflict and Educational Strategy (Knowledge-based)**
Presenter: Jonathan M. Kline, PharmD
- Describe some of the historical and cultural differences between generations involved in education and learning today.
 - Identify the formative events for the current generations and how those events led to their particular qualities.
 - List potential obstacles and identify solutions to address communication with millennial students.
- 11:15 – 12:15pm **Large Group Teaching (Knowledge-based)**
Presenter: Mark Paternostro, PhD
- Identify new ways of teaching
 - Identify strategies for teaching large groups.
 - State fundamental concepts of neurobiology as it relates to teaching and learning- “Brain Rules.”
 - Describe how to apply Gagne's "Nine Events of Instruction" to lecture Development.
 - Discuss teaching strategies to consider when lecturing to large groups.
 - Discuss methods to make large group teaching more personal and more effective.
- 12:15 – 1:00 pm **Lunch**
- 1:15 – 4:00 pm **The Fundamentals of Simulation and Modalities - ALL Scholars (Application-based)**
Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD, CHSE
- Identify opportunities for simulating real-world situations of the health professions.
 - Given 4 modalities of simulation (partial task trainers, high fidelity manikin simulators, virtual reality simulators, and standardized patients), differentiate their purposes, and apply their knowledge learned in hands-on exercises.
- 4:00 – 5:15pm **WV Simulation Training and Education for Patient Safety (STEPS) - LEVEL ONE**
Simulation Scholars Only (Knowledge Based)
Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD, CHSE
- Discuss methods of providing feedback in a debriefing session.

Day Three, Wednesday, June 6, 2018

ACPE UAN: 0072-9999-18-67-L04-P (AM Session – 4 contact hours)

ACPE UAN: 0072-9999-18-068-L04-P (PM Session – 2.5 contact hours)

ACPE UAN: 0072-9999-18-069-L04-P (Simulation Session - 3:45 – 6:00 PM – 2.25 contact hours)

8:00 – 9:00am **Writing Multiple Choice Questions (Knowledge-based)**

Presenter: Christopher J. Martin, MD, MSc

- Contrast and compare the relative advantages and disadvantages of different assessment Methodologies.
- Describe the elements of a single best-answer multiple choice question.
- Identify common item writing flaws.
- Describe how to construct high-quality single best-answer multiple choice question.
- Discuss how to interpret the results of item analysis to judge the performance single best-answer multiple choice question and determine whether or not such items should be rejected or retained in an examination.

9:00 – 10:00am **Quantitative Research Methods (Knowledge-based)**

Presenter: Alfgeir L. Kristjansson, PhD

- Explain the philosophical prerequisites for quantitative research.
- Compare and contrast the strengths and applicability of different study designs.

10:00 – 10:15am **Break**

10:15 – 11:15 am **Implementing the Scholarship of Teaching and Learning (Knowledge-based)**

Presenter: Scott Cottrell, EdD

- Discuss how participants can clarify their research question.
- Discuss study designs that will be useful in answering various research questions.

11:15 – 12:15pm **Quest for Best in Online Teaching & Learning (Knowledge-based)**

Presenters: Erin Kelley, JD, Lydia Mong, MA

- Identify best practices for effective online teaching and learning.
- Identify practical applications for implementing best practices.
- Describe how to locate information about further training pertinent to those best practices.

12:15 – 1:00 pm **Lunch**

1:00 – 2:30pm **Sampling and Estimation (Knowledge-based)**

Presenter: Scott Cottrell EdD

- List the types of probability samples.
- Identify the types of non-probability samples.
- Discuss sampling distribution.
- State the best approaches to estimating population parameters

2:30 – 3:30 pm **The World's Worst Lecture (Knowledge-based)**

Presenter: Chris Terpening, Ph.D., PharmD, BCACP, CGP

- Describe the positive/negative aspects of developing a lecture, including AV aids and handouts.

3:45 – 6:00pm **WV Simulation Training and Education for Patient Safety (STEPS) - LEVEL ONE**

Simulation Scholars Only (Application-based)

Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD, CHSE

- Perform the role of a learner in a simulation activity and participate in a guided debriefing activity.
- Construct 2-3 objectives for chest pain event with manikin and 3rd year nursing student.

Day Four, Thursday, June 7, 2018

ACPE UAN: 0072-9999-18-070-L04-P (AM Session - 4 contact hours)

ACPE UAN: 0072-9999-18-071-L04-P (PM Session – 2.75 contact hours)

ACPE UAN: 0072-9999-18-072-L04-P (Simulation Session 8.00 – 12:00 AM – 3.75 contact hours)

ACPE UAN: 0072-9999-18-073-L04-P (Simulation Session 1.00 – 5:00 PM – 3.75 contact hours)

8:00 – 10:00 am

Rubrics Workshop (Application-based)

Presenter: Marie Abate, PharmD

- Develop a comprehensive rubric in one of the following areas:
 - Professionalism/Leadership
 - Critical thinking/Problem-solving
 - Teamwork/Interprofessional collaboration
- Describe the criteria to use to evaluate the quality of a rubric.
- Analyze a rubric and provide feedback for improvement where appropriate.

10:00 – 10:15am

Break

10:15 – 12:15pm

Interprofessional Education: You are the Champion (Application-based)

Presenters: Gina Baugh, PharmD, Amy Kurowski-Burt, MOT, OTR/L, Kimeran Evans, DPT, PT, Adam Hoffman, Amy Summers

- Identify the essential components of an effective interprofessional team.
- Describe the need for a problem statement and a purpose statement when developing an interprofessional a project/program.
- Describe the role of educational theories in interprofessional project development
- Develop learning objectives and outcomes for interprofessional projects.
- Analyze assessment and evaluation techniques for interprofessional projects.
- Discuss debriefing strategies for interprofessional projects.

12:15 – 1:15 pm

Lunch

1:15 – 2:15pm

Quantitative Study Design Exercises (Application-based)

Presenter: Alfgeir L. Kristjansson, PhD

Define and defend a quantitative research study design for a given research question.

2:15 – 3:15pm

How to Find and Fix Flawed Questions (Application-based)

Presenter: Christopher J. Martin, MD, MSc

- Identify, discuss and modify writing flaws in multiple choice questions.
- Analyze and discuss statistical performance parameters used for multiple choice questions.
- Judge whether or not multiple choice questions should be rejected or edited and retained in an examination.

Simulation Scholars Only (Application- Based)

8:00 am – 12:00 pm

WV Simulation Training and Education for Patient Safety (STEPS) – Level Two (15 minute break included)

Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD, CHSE

- Review, select, and hone objectives homework and introduce design theory.
- Choose a tool for assessing learner's progress and/or competency; utilize multiple assessment modalities to triangulate observations; List assessment modalities to determine instructor efficacy.
- Integrate knowledge of simulation modalities and write a case scenario that 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.

12:00 – 1:00 pm Lunch

1:00 p.m. – 5:00 pm Level Two Session Continued (15 minute break included)

- Construct open ended questions related to the simulation experience; select appropriate debriefing methods for the simulation experience; demonstrate techniques to monitor progress of debriefing.
- Administer a simulation with simulated learners.

Day Five, Friday, June 9, 2018

ACPE UAN: 0072-9999-18-074-L04-P (AM Session – 4 contact hours)

ACPE UAN: 0072-9999-18-075-L04-P (PM Session – 2.25 contact hours)

ACPE UAN: 0072-9999-18-076-L04-P (Simulation Session 8.00 – 12:00 AM – 3.75 contact hours)

ACPE UAN: 0072-9999-18-077-L04-P (Simulation Session 1.00 – 5:00 PM – 3.75 contact hours)

- 8:00 – 10:00am **Scientific Writing (Application-based)**
Presenter: Bernard Schreurs, PhD
- Explore common barriers to scholarly/scientific writing.
 - Describe strategies and methods to motivate yourself and start writing process.
 - Propose ideas to facilitate developing an outline for your planned manuscript.
 - Discuss different types of manuscript structures, such as Original Research, Brief Reports, Case Reports, etc.
 - Discuss ways to identify potential journals for manuscript submission.
- 10:00 – 10:15 am **Break**
- 10:15 am – 12:15 pm **How to Enjoy Increasing Your Scholarly Activities and Building Your National Reputation (Application-based)**
Presenter: H. Wayne Lambert, PhD
- Illustrate ways to find your niche in academics to derive satisfaction and enjoyment from your career.
 - Distinguish between opportunities and pitfalls in an academic career.
 - Demonstrate the steps needed to have success in the Promotion and Tenure process.
 - Initiate discussions on finding your passion and developing your scholarship around this activity.
 - Recognize that your careers goals constantly change and list ways to adapt to these internal and external pressures.
- 12:15 – 1:15 pm **Lunch**
- 1:15 – 2:15 pm **Qualitative Analysis Exercises (Application-based)**
Presenters: Danielle M. Davidov, PhD
- Discuss and formulate through exercises qualitative methods.
- 2:15 – 3:30 pm **Wrap Up “What Did we learn and what will we do differently?” (Knowledge-based)**
Presenter: Rashida Khakoo, MD, MACP
- Discuss pertinent applications of the learning from the previous week.
 - Identify insights they plan to share in their own institutions.

Simulation Scholars Only

- 8:00 am – 12:00 pm **WV Simulation Training and Education for Patient Safety (STEPS) – Level Three (Application-based) (15 minute break included)**
Presenters: WV STEPS: Christy Barnhart, MSN, RN, Jason Craig, CHSE, Russell Doerr, CHSE Adam Hoffman, Christopher Kiefer, MD, FACEP, Lee Ann Miller, EdD, CHSE, Dorian Williams, MD, CHSE
- Discover the intricacies of utilizing technologies to set up and perform a manikin or task training educational scenario; utilize lifesavers and other troubleshooting techniques.
 - Discuss the impetus and curriculum development of a 4 year ultrasound program.
- 12:00 – 1:00 pm **Lunch**
- 1:00 p.m. – 5:00 pm **Level Three Session Continued (Application- Based) (15 minute break included)**
- Observe video based problem situations; discuss solutions to problem situations.
 - Determine good sources of funding; assure institutional buy in and faculty support; participate in Q/A with panel of experts.



The West Virginia University School of Pharmacy (WVUSoP) is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education (CPE). This program, ACPE UAN: 0072-9999-18-061-L04-P to 0072-9999-18-077-L04-P, is approved for up to 39.5 contact hours (3.95 CEU's) of CPE. Each morning and afternoon session has been awarded a specific number of CPE hours. The total number of hours per day is listed at the beginning of the pharmacy insert for each day. WVUSoP will report your participation in the program to NABP CPE Monitor within 4-6 weeks for all participants who successfully complete each session. Successful completion includes: attending the entire session (partial credit will not be given), signing the attendance sheet and completing an online evaluation form for each session attended. A transcript of your CPE credit may be printed from your NABP CPE monitor account. If you need a statement of credit, you can print one by assessing your personal account in the WVUSoP database at <https://pharmacyce.wvu.edu/user/login>.

Faculty:

Marie Abate, PharmD

Professor, Department of Clinical Pharmacy
Director, West Virginia (WV) Center for Drug and Health Information
Director of Programmatic Assessment
West Virginia University School of Pharmacy
Morgantown, WV

Christy Barnhart, MSN, RN

Senior Lecturer, Adult Health Department
Director of Nursing Simulation
WVU School of Nursing
Morgantown, WV

Karen Barr, MD (Session Facilitator)

Associate Professor
Chief of Physical Medicine and Rehabilitation, Department of Orthopedics
WVU School of Medicine
Morgantown, WV

Gina Baugh, PharmD

Clinical Associate Professor, Department of Clinical Pharmacy and
Director of Introductory Pharmacy Practice Experiences (IPPE), Office of Experiential Learning, WVU School of Pharmacy
Director, Interprofessional Education (IPE), WVU Health Sciences Center
Morgantown, WV

Lesley E. Cottrell, PhD

Vice Chair of Research and Professor, Department of Pediatrics, WVU School of Medicine
Director of the Center for Excellence in Disabilities at WVU HSC
Professor, Department of Social and Behavioral Sciences, WVU School of Public Health
Morgantown, WV

Scott Cottrell, EdD

Associate Dean for Student Services and Curriculum
Associate Dean, Department of Medical Education
WVU School of Medicine
Morgantown, WV

Jason Craig, CHSE

Simulation Specialist for The David and Jo Ann Shaw Center for Simulation Training and Education for Patient Safety (WV STEPS)
WVU School of Medicine
Morgantown, WV

Danielle M. Davidov, PhD

Assistant Professor in the Department of Emergency Medicine, WVU School of Medicine and
Department of Social and Behavioral Sciences
WVU School of Public Health
Morgantown, WV

Russell Doerr, CHSE

Simulation Specialist, WV STEPS
WVU Health Science Center
Morgantown, WV

Kimeran Evans, DPT, PT

Assistant Professor
WVU School of Medicine Division of Physical Therapy
Morgantown, WV

Adam Hoffman

Program Manager NC
WV STEPS
WVU School of Medicine
Morgantown, WV

Erin Kelley, JD

Director of Instructional
Design Unit
WVU Teaching and Learning Commons
Morgantown, WV

Rashida Khakoo, MD, MACP

Professor of Medicine,
Chief, Section of Infectious Diseases
Assistant Vice President Health Sciences Center Faculty Development
WVU School of Medicine
Morgantown, WV

Christopher Kiefer, MD, FACEP

Assistant Professor of Emergency Medicine
Associate Residency Program Director for the Emergency Medicine Residency
WVU School of Medicine
Morgantown, WV

Jonathan Kline, PharmD, CACP, BCPS, CDE

Director of Pharmacy, Jefferson Medical Center
Adjunct Clinical Associate Professor, WVU School of Pharmacy and Department of Family Medicine
Ranson, WV

Alfgeir L. Kristjansson, PhD

Assistant Professor, Department of Social and Behavioral Sciences
WVU in the School of Public Health
Morgantown, WV

Amy Kurowski-Burt, MOT, OTR/L

Assistant Professor
WVU Division of Occupational Therapy
WVU School of Medicine
Morgantown, WV

Anna Lama, MA

Director of Assessment, Department of Medical Education
WVU School of Medicine
Morgantown, WV

H. Wayne Lambert, PhD

Professor and Vice Chair
WVU Department of Pathology, Anatomy and Laboratory Medicine,
Morgantown, WV

Matthew Logue, MCP MCSA

IT Support Specialist at WV STEPS
Professional Technologist for WVU Health Sciences Center ITS
Morgantown, WV

Christopher J. Martin, MD, MSc

Professor, WVU School of Medicine
Professor, Department of Occupational Medicine and Director of WVU Occupational Medicine Residency
WVU School of Public Health
Director of the Global Engagement Office, WVU Health Sciences Center
Morgantown, WV

Lee Ann Miller, EdD, CHSE

Assistant Director for Education and Evaluation, WV STEPS
WVU School of Medicine
Morgantown, WV

Lydia Mong, MA ED

Instructional Designer
WVU Teaching and Learning Commons
Morgantown, WV

Mark Paternostro, PhD

Professor, Associate Chair of Education
Department of Physiology and Pharmacology
WVU School of Medicine
Morgantown, WV

Bernard Schreurs, PhD

Director, WV Alzheimer's Disease Registry
Department of Physiology, Pharmacology & Neuroscience
WVU School of Medicine
Morgantown, WV

Amy Summers, BS, Business, Associate Degree, Applied Science in Medical Assisting

Program Specialist for Office of Interprofessional Education, WVU HSC
Administrative Research Coordinator for WV STEPS, WVU School of Medicine
Morgantown, WV

Chris Terpening, Ph.D., PharmD, BCACP, CGP

Clinical Associate Professor, Department of Clinical Pharmacy and Department of Family Medicine
WVU School of Pharmacy at WVU Charleston Division
Charleston, WV

William C. Tullock, MD

Adjunct Assistant Professor in the Department of Medical Education
WVU School of Medicine
Morgantown, WV

Tara Whetsel, PharmD, BCACP, BC-ADM

Clinical Associate Professor and Ambulatory Care Clinical Pharmacist
West Virginia University School of Pharmacy
Morgantown, WV

Dorian Williams, MD, CHSE

Assistant Dean for WV STEPS
Professor in the Departments of Family Medicine and Medical Education
WVU School of Medicine
Morgantown, WV