



Pharmacy Practice Research Certificate Program

August 6, 2016

And

August 27, 2016

Time: 8:00 AM- 2:00 PM

Time: 8:00 AM-1:15 PM

McWhorter School of Pharmacy, Russell Hall 208

19 total Contact Hours (1.9 CEUs)

This course is a practice-based CPE activity (i.e., certificate program) that will teach the essentials of research to practicing pharmacists seeking to demonstrate positive patient and service-related outcomes. The faculty panel has extensive experience with conducting and publishing practice-based research, as well as mentoring pharmacy students, residents and practitioners in the realm of research.

At the completion of this activity, the participant will be able to:

- Discuss the basic premise of research.
- Differentiate between the different types of research design.
- Identify and describe a research question.
- Discuss the purpose and functions of an IRB.
- Distinguish between categories of human research.
- Describe the steps necessary to complete an IRB application.
- Determine the appropriate literature sources for research.
- Identify Medical Subject Heading (MeSH) terms and conduct a PubMed search.
- Describe practice-based database research (e.g., medication use evaluation, pharmacy claims database, patient medical records, surveys).
- Discuss different methodological considerations for database research.
- Identify important elements for data collection forms.
- Compare and contrast data collection methods and factors influencing responses to each.
- Determine the appropriate questionnaire design and construction (initial construction versus validated measure).
- Understand the principles behind quality improvement.
- Describe the quality standards in each pharmacy practice setting.
- Discuss and apply "Total Quality Management" principles to the health system.
- Describe FOCUS-PDCA, Six Sigma, and other improvement methods.
- Identify a quality practice measure to implement in your practice setting.
- Implement and report on a quality improvement project at your practice site.
- Distinguish between quantitative and qualitative variables.
- Recognize the four types (or levels) of data.
- Differentiate between parametric and nonparametric data.
- Describe and apply principles of inferential statistical testing methods to practice.
- Select an appropriate statistical test (or techniques) for both descriptive and inferential techniques.
- Define and differentiate between deliverables (i.e., abstract, poster, manuscript). Identify key sections of a research abstract with suggestions regarding content.
- Create a draft abstract and poster.
- List the main sections of a research manuscript and outline a manuscript.
- Identify a presentation or publication venue for your deliverable.
- Identify major citation formats specified by AMA (American Medical Association) manual style.

Pharmacy Practice Research Certificate Program (cont.)

This certificate training program has two components: online interactive self-study with assessment; the live seminar which includes performing a variety of projects and tasks related to the development of basic research skills and skills associated with communication of research results (e.g., abstracts, posters and manuscripts).

A Certificate of Achievement will be awarded to participants who successfully complete all program components.

Seminar Agenda:

Live Session 1: August 6, 2016

7:45 – 8:00 AM	Registration
8:00 – 10:00 AM	Module 1: Introduction (Freeman) <ol style="list-style-type: none">1. Discuss the basic premise of research.2. Differentiate between the different types of research design.3. Identify and describe a research question.4. Discuss the purpose and functions of an IRB.5. Distinguish between categories of human research.6. Describe the steps necessary to complete an IRB application.
10:00 – 10:15 AM	Break
10:15 AM – 12:15 PM	Module 2: Getting Started / Developing Methods (Dugan, Freeman) <ol style="list-style-type: none">1. Determine the appropriate literature sources for research.2. Identify Medical Subject Heading (MeSH) terms and conduct a PubMed searches.3. Describe practice-based database research (e.g., medication use evaluation, pharmacy claims database, patient medical records, surveys).4. Discuss different methodological considerations for database research.5. Identify important elements for data collection forms.6. Compare and contrast data collection methods and factors influencing responses to each.7. Determine the appropriate questionnaire design and construction (initial construction versus validated measure)
12:15-12:30 PM	Break - Working Lunch (Grab lunch and make way back to seat)
12:30-2:00 PM	Module 3: Quality Improvement: Keeping Data Alive (Galdo) <ol style="list-style-type: none">1. Explain the principles behind quality improvement.2. Describe the quality standards in each pharmacy practice setting.3. Discuss and apply “Total Quality Management” principles to the health system.4. Describe FOCUS-PDCA, Six-Sigma, and other improvement methods.5. Identify a quality practice measure to implement in your practice setting.6. Implement and report on a quality improvement project at your practice site.
2:00 PM	Dismissal

Pharmacy Practice Research Certificate Program (cont.)

Seminar Agenda

Live session 2: August 27, 2016

7:45 AM – 8:00 AM **Registration**

8:00 AM – 10:00 AM **Module 4: Statistics (Schrimsher)**

1. Distinguish between quantitative and qualitative variables
2. Recognize the four types (or levels) of data
3. Differentiate between parametric and nonparametric data
4. Describe and apply principles of inferential statistical testing methods to practice
5. Select an appropriate statistical test for both descriptive and inferential techniques

10:00 AM – 10:15 AM **Snack Break**

10:15 AM - 12:15 PM **Module 5: Deliverables (Hughes)**

1. Define and differentiate between deliverables (i.e., abstract, poster, manuscript)
2. Identify key sections of a research abstract with suggestions regarding content
3. Create a draft abstract and poster
4. Identify a presentation or publication venue for your deliverable
5. Outline a manuscript
6. Identify major citation formats specified by AMA (American Medical Association) manual of style

12:15 PM – 12:45 PM **Break**

12:45 PM – 1:15 PM **Question and Answer Session Program Wrap-up**

1:15 PM **Dismissal**

Fees and Refund Policy:

Resident: \$199

Practicing Pharmacist: \$399

No refunds for cancellations after August 1, 2016. Cancellations prior to August 1st will receive a refund minus a \$50 processing fee.

For online registration and credit card payment, go to:

<https://www2.samford.edu/eve/index.php?filter=PHARM&he=no>

Pharmacy Practice Research Certificate Program (cont.)

Faculty

B. DeeAnn Dugan, PharmD, BCACP
Associate Professor, McWhorter School of Pharmacy
PGY1 Residency Program Director
Clinical Specialist, Jefferson County Department of Public Health

Maisha Kelly Freeman, PharmD, MS, BCPS, FASCP
Professor, McWhorter School of Pharmacy
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Assistant Professor, McWhorter School of Pharmacy
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Associate Professor, McWhorter School of Pharmacy
Director, Continuing Pharmacist and Technician Education

Robert Schrimsher, Ed.D., MLIS
Professor Emeritus, McWhorter School of Pharmacy

Continuing Pharmacy Education (CPE) Information and Activity Completion Requirements

Initial release date: 07/01/2015; expiration date: 07/01/2018
Activity Type: Practice-based
ACPE Program Number: 0002-0000-15-050-B04-P

Target Audience: Hospital and community pharmacists, as well as pharmacy residents who are seeking assistance with residency project development.

- Successful completion of the self-study component involves passing the online self-study assessment with a grade of 70% or higher and will result in 9 contact hours of CPE credit (0.9 CEUs).
- Successful completion of the live seminar component involves attending both live seminars in their entirety. Successful completion of this component will result in 10 contact hours of CPE credit (1.0 CEUs).
- Credit will be uploaded to ACPE through CPE Monitor and will be available in participant's CPE Monitor profile at www.nabp.net within 14 days of the last session. A Certificate of Achievement will be awarded upon successful completion of all activity requirements.

Activity Requirements - Course material and exams will be accessed online - In order to participate in this activity, registrants must have access to a computer with minimum system requirements: Internet connectivity with current version of internet browsers, such as Chrome, Firefox, Safari, or Internet Explorer (V9 and above); Adobe Acrobat Reader, Flash Player 8 or higher, Windows 95, Pentium 3 or equivalent processor, 64 MB of free memory (not 64 MB total), and Audio: Sound card and speakers or earphones.

Pharmacy Practice Research Certificate Program was developed by Samford University McWhorter School of Pharmacy



Samford University McWhorter School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.