

ADVANCED COURSE IN

Pharmacoeconomic Modeling

January 7-8, 2019

The University of Arizona
College of Pharmacy

A 2-day program offered by



THE UNIVERSITY OF ARIZONA

College of Pharmacy



Program Overview

The University of Arizona College of Pharmacy is offering a 2-day advanced course in pharmacoeconomic modeling. The program will consist of lecture-based learning combined with hands-on workshops. The program will focus on the use of widely accepted software programs such as Microsoft Excel.

Who Should Attend

- ▶ Those with a basic understanding of pharmacoeconomics who are interested in taking it to the next level
- ▶ Persons responsible for creating and delivering cost-effectiveness messages to decision makers
- ▶ Graduate students, fellows, or trainees interested in increasing their modeling expertise

Venue

All sessions will be held in state-of-the-art facilities at The University of Arizona College of Pharmacy.

Drachman Hall-Pulido Center
1295 N. Martin Avenue
Tucson, AZ



Continuing Education



PHARMACY
The University
of Arizona
College of

Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. A total of **14.5** hours are available to pharmacists attending all sessions. We will utilize the CPE Monitor system to award credit. You will need to provide your NABP ID number.

Lodging

Area hotels offer lodging at reasonable rates and close proximity to the College.

**Tucson Marriott
University Park**

520-792-4100

Arizona Inn
800-933-1098

**Aloft Tucson
University**
520-908-6800

Monday, January 7

ADVANCED COURSE IN Pharmacoeconomic Modeling Agenda

7:30-8:00 am Registration and breakfast

8:00 am Program begins

Decision analysis: An introduction and practical application

Upon completion of this session participants will be able to:

- › Identify steps involved in conducting a decision analysis
- › Create a decision-analysis model using Excel software

ACPE Number: 0003-0000-17-001-Lo1-P (1.5 hours)

Application based

Markov modeling: Concepts and applications

Upon completion of this session participants will be able to:

- › Describe the advantages of utilizing Markov analysis
- › Conduct a Markov analysis using Excel software

ACPE Number: 0003-0000-17-002-Lo1-P (2.25 hours)

Application based

Probabilistic models: Addressing uncertainty, heterogeneity, and incorporating distributions into models

Upon completion of this session participants will be able to:

- › Assess simultaneous changes on cost and effectiveness variables
- › Using multiple worksheets in Excel, build probabilistic cost-effectiveness analyses

ACPE Number: 0003-0000-17-003-Lo1-P (2.75 hours)

Application based

Multiple criteria decision analysis

Upon completion of this session participants will be able to:

- › Identify steps involved in conducting a multiple criteria decision analysis

ACPE Number: 0003-0000-19-001-Lo1-P (1 hour)

Knowledge based

5:00 pm Adjourn

Tuesday, January 8

ADVANCED COURSE IN Pharmacoeconomic Modeling Agenda

7:30-8:00 am Breakfast

8:00 am Program begins

Creating and interpreting cost-effectiveness graphs including cost-effectiveness acceptability curves

Upon completion of this session participants will be able to:

- › Define the advantages of a cost-effectiveness acceptability curve
- › Using Excel software, create graphs for cost, effectiveness, and cost-effectiveness acceptability curves

ACPE Number: 0003-0000-17-005-Lo1-P (2 hours)
Application based

Meta-analysis in pharmacoeconomic modeling

Upon completion of this session participants will be able to:

- › Transform results from meta-analysis into a probability for decision analysis
- › Describe fixed and random effects and how these approaches can influence the results from a meta-analysis

ACPE Number: 0003-0000-17-006-Lo1-P (3 hours)
Application based

Mixed treatment comparisons: Synthesizing evidence using indirect approaches

Upon completion of this session participants will be able to:

- › Describe the methods for an indirect synthesis of clinical evidence
- › Conduct a mixed treatment comparison using Excel

ACPE Number: 0003-0000-17-007-Lo1-P (2 hours)
Application based

4:30 pm Adjourn



Registration

The registration fee for the Advanced Course in Pharmacoeconomic Modeling includes course materials, daily breakfast, refreshments and snacks, lunch, and pharmacy continuing education credit.

REFUND POLICY: Requests for refunds (less a \$300 administrative fee) will be honored until December 9, 2018.

Registration fees paid to The University of Arizona Foundation are not considered a tax-deductible gift contribution.

Persons with a disability may request a reasonable accommodation, such as sign language interpreter, by contacting the Office of Continuing Education, 520-626-3106, email: continuinged@pharmacy.arizona.edu. Requests should be made as early as possible to allow time to arrange the accommodation.

▶ ▶ ▶ Program Faculty

Daniel C. Malone, PhD

*Professor, Department of Pharmacy Practice and Science
UA College of Pharmacy*

Edward Armstrong, PharmD

*Professor Emeritus
Department of Pharmacy Practice and Science
UA College of Pharmacy*

For further information:

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Tucson, Arizona 85721-0202

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continuinged@pharmacy.arizona.edu

Web address:
www.pharmacy.arizona.edu

ONLINE REGISTRATION AVAILABLE

<https://events.pharmacy.arizona.edu/pemodeling>

If not using the online system, please return registration form below:

REGISTRATION FORM

ADVANCED COURSE IN
Pharmacoeconomic Modeling
January 7-8, 2019

NAME _____

DEGREE _____ POSITION _____

AFFILIATION _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

TELEPHONE _____ FAX _____

EMAIL ADDRESS _____

Registration fee: Industry \$1,500 Academia/Government \$1,000
 Fellows/Residents/Persons in Training \$750

Please indicate method of payment:

Check made payable to: **The University of Arizona Foundation**

Visa Mastercard American Express

Card Number _____ Expiration Date _____

Cardholder's name as it appears on card _____

Card Billing Address: _____

**Please return completed
registration form and
payment to:**

Office of Continuing Education
The University of Arizona College of Pharmacy
PO Box 210202
Tucson, Arizona 85721-0202