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

Continuing Education
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.

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

Lodging
Area hotels offer lodging at reasonable rates and close proximity to the College.
• Marriott University Park - 520-792-4100
• Arizona Inn - 800-933-1098
• Aloft Tucson University - 520-908-6800
Program Agenda

Wednesday, January 6, 8AM - 5PM

Decision analysis: An introduction and practical applications
Upn 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: 0003-0000-14-001-L01-P (1.5 hours) Application based

Markov modeling: Concepts and applications
Upn 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: 0003-0000-14-002-L01-P (2.25 hours) Application based

Probabilistic models: Addressing uncertainty, heterogeneity, and incorporating distributions into models
Upn 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: 0003-0000-14-003-L01-P (2.75 hours) Application based

Multiple criteria decision analysis *
Upn completion of this session participants will be able to:
• Identify steps involved in conducting a multiple criteria decision analysis
ACPE Number: 0003-0000-16-001-L01 (1 hour) Knowledge based

Thursday, January 7, 8AM - 5PM

Creating and interpreting cost-effectiveness graphs including cost-effectiveness acceptability curves
Upn 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: 0003-0000-14-004-L01-P (2 hours) Application based

Meta-analysis in Pharmacoeconomic Modeling
Upn 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: 0003-0000-14-005-L01-P (3 hours) Application based

Mixed treatment comparisons: Synthesizing evidence using indirect approaches
Upn 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: 0003-0000-14-006-L01-P (2 hours) Application based

Program Faculty

Daniel C. Malone, Ph.D.
Professor, Department of Pharmacy Practice and Science
UA College of Pharmacy

Edward Armstrong, Pharm.D
Professor Emeritus
Department of Pharmacy Practice and Science
UA College of Pharmacy

Registration

The registration fee includes course materials, daily breakfast, refreshments and snacks, lunch, and pharmacy continuing education credit.

Requests for refunds (less a $300 administrative fee) will be honored until December 11, 2015.

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

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Online Registration:
https://events.pharmacy.arizona.edu/pemodeling

Registration Form

Advanced Modeling
January 6-7, 2016

Please return registration form and payment to:
Office of Continuing Education
The University of Arizona College of Pharmacy
PO Box 210202 • Tucson, Arizona 85721

Cover photo: Deer Creek Falls, Grand Canyon National Park, AZ
Center photo: Colorado River, Grand Canyon National Park, AZ
Right photo: Tohono Chul Park, Tucson, AZ
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