Robert F. Borkenstein Center for Studies of Law in Action

The Effects of Drugs on Human Performance and Behavior
October 9th – 13th, 2017

AT&T Executive Education and Conference Center
Austin, TX

Executive Director: Barry K Logan
Associate Course Director: Patrick Harding
Course Manager: Joseph Turner
Course Administrator: Chelsea Opperman

All sessions will be held in Salon C of the AT&T Executive Education and Conference Center unless otherwise noted. Attendance at all sessions is mandatory except by permission of the Course Director.

Sunday, October 8th

4:00 - 6:00 pm
Registration – Registration Desk, AT&T Executive Education and Conference Center

Monday, October 9th

7:15 – 8:00 am
Registration – Registration Desk, AT&T Executive Education and Conference Center
Continental Breakfast provided, Salon C

8:00 – 8:15
Introduction and Welcome
Joseph Turner, Course Manager

8:15 – 9:00
DUID and Overview of Approaches to Drug Impaired Driving Casework
Barry K. Logan, Ph.D., The Center for Forensic Science Research and Education

9:00 – 9:15 – BREAK

9:15 – 10:45
Driving Under the Influence of Non-Alcohol Drugs
Hallvard Gjerde, Ph.D., Department of Forensic Sciences, Oslo University Hospital, Norway

10:45 – 11:00 – BREAK

11:00 – 12:00
The Drug Recognition Expert (DRE) Program Overview
Joseph Turner, Muncie, Indiana
12:00 – 1:00 – LUNCH on your own

1:00 – 2:00
Principles of Pharmacology and Drug Effects – Stimulants and Hallucinogens
Lionel Raymon, Ph.D., NOVA Southeastern

2:00 – 3:00
Cocaine and Methamphetamine: Effects on Human Performance and Behavior
Daniel Isenschmid, Ph.D., NMS Labs

3:00 – 3:15 – BREAK

3:15 – 4:15
Hallucinogens and “Bath Salts”: Effects on Human Performance and Behavior
Amy Miles, BS, Wisconsin State Laboratory of Hygiene Toxicology Section

4:15 – 5:00
MDMA, NPS and Other Stimulants: Effects on Cognitive Function and Actual Driving
Jan Ramaekers, Ph.D., Maastricht University, the Netherlands

6:00 – 9:00
Social Hour, Welcome Dinner and Cash Bar – Salon C

Tuesday, October 10th

7:15 – 8:00 am
Continental Breakfast provided

8:00 – 8:30
Principles of Pharmacology and Drug Effects – Cannabinoids
Lionel Raymon, Ph.D., NOVA Southeastern

8:30 – 9:30
Cannabis: Effects on Human Performance and Behavior
Marilyn Huestis, Ph.D., Huestis & Smith Toxicology, LLC.

9:30 – 9:45 – BREAK

9:45 – 10:45
Cannabis: Effects on Human Performance and Behavior (continued)
Marilyn Huestis, Ph.D., Huestis & Smith Toxicology, LLC.

10:45 – 11:00 – BREAK

11:00 – 12:00
Cannabis: Effects on Human Performance and Behavior (continued)
Marilyn Huestis, Ph.D., Huestis & Smith Toxicology, LLC.
12:00 – 1:00 – **LUNCH on your own**

1:00 – 2:30
On Road Driving Studies: Cannabis
Jan Ramaekers, Ph.D., Maastricht University, the Netherlands

2:30 – 2:45 – **BREAK**

2:45 – 3:45
Synthetic Cannabinoids - Effects on Behavior and Performance
Amy Miles, BS, Wisconsin State Laboratory of Hygiene Toxicology Section

3:45 – 4:00 – **BREAK**

4:00 – 5:15
Online Resources and Literature Searching for Drug-impaired Driving
Jeff Teitelbaum, MLIS, Washington State Patrol Crime Lab, Seattle WA

**Wednesday, October 11th**

7:15 – 8:00 am
Continental Breakfast provided

8:00 – 8:45
Principles of Pharmacology and Drug Effects – Opiates
Lionel Raymon, Ph.D., NOVA Southeastern

8:45 – 10:00
Opiates: Effects on Human Performance and Behavior
Karen Scott, Ph.D., Arcadia University

10:00 – 10:15 – **BREAK**

10:15 – 11:00
Principles of Pharmacology and Drug Effects – Benzodiazepines and CNS Depressants
Lionel Raymon, Ph.D., NOVA Southeastern

11:00 – 12:15
Carisoprodol, Butalbital and Topiramate: Effects on Human Performance and Behavior
Daniel Isenschmid, Ph.D., NMS Labs

12:15 – 1:15 – **LUNCH- on your own**

1:15 – 2:30
Benzodiazepines, Zolpidem and other Imidazopyridines and Driving Impairment
Karen Scott, Ph.D., Arcadia University

2:30 – 3:00 – **BREAK and CLASS PHOTOGRAPH**
3:00 – 4:30
Faculty Q&A Panel

5:00 – 7:00
Wine and Cheese Reception- Courtyard
Sponsored by the Center for Forensic Science Research and Education

Thursday, October 12th

7:15 – 8:00 am
Continental Breakfast provided

8:00 – 9:15
CNS Depressants: Antidepressants and Anxiolytics – On-Road Driving Studies
Jan Ramaekers, Ph.D., Maastricht University, The Netherlands

9:15 – 9:30 – BREAK

9:30 – 10:45
Roadside Surveys and Oral Fluid Drug Testing
Christine Moore, Ph.D., Immunalysis Corporation

10:45 – 11:00 – BREAK

11:00 – 12:00
National Safety Council Recommendations for Drug Testing in DUID Investigations
Barry K. Logan, Ph.D., The Center for Forensic Science Research and Education

12:00 – 1:00 – LUNCH on your own

1:00 – 1:45
Drug Recognition Expert (DRE) Program: Validation Studies
Joseph Turner, Muncie, Indiana

1:45 – 2:00 – BREAK

2:00 – 3:15
I. Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects
   Bruce Goldberger, Ph.D., University of Florida College of Medicine

   II. DRE Moot Court Exercise, Classroom 202
       Joseph Turner, Muncie, Indiana; Clay Abbott, Traffic Safety Resource Prosecutor, Texas;
       Justin McShane Esq., The McShane Law Firm, Harrisburg PA

3:15 – 3:30 – BREAK

3:30 – 5:00
I. Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects (continued)
   Bruce Goldberger, Ph.D., University of Florida College of Medicine
II. DRE Moot Court Exercise (continued), Classroom 202
Joseph Turner, Muncie, Indiana; Clay Abbott, Traffic Safety Resource Prosecutor, Texas;
Justin McShane Esq., The McShane Law Firm, Harrisburg PA

Friday, October 13th

7:15 – 8:00 am
Continental Breakfast provided

8:00 – 9:15
Presenting Drug Impairment Evidence in Court – Prosecution Perspective
Clay Abbott, Traffic Safety Resource Prosecutor, Texas

9:15 – 9:30 – BREAK

9:30 – 10:30
Presenting Drug Impairment Evidence in Court – Defense Perspective
Justin McShane Esq., The McShane Law Firm, Harrisburg PA

10:30 – 10:45 – BREAK

10:45 – 11:45
Presenting Drug Impairment Evidence in Court – Toxicologist Perspective
Robert Forney, Jr., Ph.D., Office of Lucas County Coroner, Toledo, OH

11:45 - Noon
Wrap Up and Presentation of Certificates
Joseph Turner & Barry Logan