Tentative Schedule
Robert F. Borkenstein Center for Studies of Law in Action

The Effects of Drugs on Human Performance and Behavior
September 23rd – 27th, 2019

Westin Long Beach
Long Beach, CA

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

Sunday, September 22nd

4:00 - 6:00 pm
Registration – Westin Long Beach

Monday, September 23rd

7:15 – 8:00am
Registration – Westin Long Beach
Continental Breakfast provided

8:00 – 8:45
Welcome and DUID Overview
Joseph Turner, Course Manager

8:45 – 9:30
DUID and Overview of Approaches to Drug Impaired Driving Casework
Barry K. Logan, PhD, The Center for Forensic Science Research and Education

9:30 – 9:45 – BREAK

9:45 – 10:45
The Drug Recognition Expert (DRE) Program
Kyle Clark, International Association of Chiefs of Police

10:45 – 11:00 – BREAK

11:00 – 12:00
The Drug Recognition Expert (DRE) Program: Validation Studies
Douglas Beirness, PhD, Canadian Drug and Alcohol Research Team, Ottawa, ON;
Canadian Centre on Substance Abuse and Addiction

12:00 – 1:00 – LUNCH on your own
1:00 – 2:30

I. **Principles of Pharmacology and Drug Effects – Introduction/Review**
   
II. **Principles of Pharmacology and Drug Effects – Stimulants and Hallucinogens**

Lionel Raymon, PhD, NOVA Southeastern

2:30 – 2:45 – **BREAK**

2:45 – 3:45  
**Cocaine and Methamphetamine: Effects on Human Performance and Behavior**
Daniel Isenschmid, PhD, NMS Labs

3:45 – 4:00 – **BREAK**

4:00 – 5:00  
**MDMA, NPS and Other Stimulants: Effects on Cognitive Function and Actual Driving**
Jan Ramaekers, PhD, Maastricht University, the Netherlands

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

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**Tuesday, September 24**

7:15 – 8:00 am
Continental Breakfast provided

8:00 – 8:45  
**Principles of Pharmacology and Drug Effects – Cannabinoids**
Lionel Raymon, PhD, NOVA Southeastern

8:45 – 9:30  
**Cannabis: Effects on Human Performance and Behavior**
Marilyn Huestis PhD, Huestis and Smith LLC, Baltimore MD

9:30 – 9:45 – **BREAK**

9:45 – 11:00  
**Cannabis: Effects on Human Performance and Behavior (continued)**

11:00 – 11:15 – **BREAK**

11:15 – 12:15  
**Cannabis: Effects on Human Performance and Behavior- Driving Simulator Research**
Nathalie Desrosiers, PhD, Centre of Forensic Sciences, Toronto, ON, Canada

12:15 – 1:15 – **LUNCH on your own**
1:15 – 2:15  
**On Road Driving Studies: Cannabis**  
Jan Ramaekers, PhD, Maastricht University, the Netherlands

2:15 – 2:30 – **BREAK**

2:30 – 3:45  
**Synthetic Cannabinoids, Bath Salts and NPS’ - Effects on Behavior and Performance**  
Barry K. Logan, PhD, The Center for Forensic Science Research and Education

3:45 – 4:00 – **BREAK**

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

**Wednesday, September 25th**

7:15 – 8:00 am  
Continental Breakfast provided

8:00 – 8:45  
**Principles of Pharmacology and Drug Effects – Opiates**  
Lionel Raymon, PhD, NOVA Southeastern

8:45 – 9:00 – **BREAK**

9:00 – 10:15  
**Opioids: Effects on Human Performance and Behavior**  
Dani Mata, Orange County Crime Lab, Santa Ana, CA

10:15 – 10:30 – **BREAK**

10:30 – 11:15  
**Principles of Pharmacology and Drug Effects – Benzodiazepines and CNS Depressants**  
Lionel Raymon, PhD, NOVA Southeastern

11:15 – 12:15  
**Carisoprodol, Butalbital and Other Depressants: Effects on Human Performance and Behavior**  
Daniel Isenschmid, PhD, NMS Labs

12:15 – 1:15 – **LUNCH on your own**

1:15 – 2:30  
**Benzodiazepines, Zolpidem and other Imidazopyridines and Driving Impairment**  
Speaker TBD

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

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

**Thursday, September 26th**

7:15 – 8:00 am
Continental Breakfast provided

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

9:15 – 9:30 – **BREAK**

9:30 – 10:30
**National Trends in DUID Laws**
Jacob Nelson, AAA, Washington, DC

10:30 – 10:45 – **BREAK**

10:45 – 12:00
**National Safety Council Recommendations for Drug Testing in DUID Investigations**
Barry K. Logan, PhD, The Center for Forensic Science Research and Education

12:00 – 1:00 – **LUNCH on your own**

1:00 – 2:00
**Legalizing Cannabis in Canada: Implications for Drugged Driving**
Douglas Beirness, PhD, Canadian Drug and Alcohol Research Team, Ottawa, ON; Canadian Centre on Substance Abuse and Addiction

2:00 – 2:15 – **BREAK**

2:15 – 3:30- **Breakout sessions- choose one**

**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**
Joseph Turner, Muncie, Indiana; Clay Abbott, Traffic Safety Resource Prosecutor, Austin, TX; Speaker TBD

3:30 – 3:45 – **BREAK**
3:45 – 5:00
I. Forensically Defensible Drug and Alcohol Testing in DUID - Laboratory Aspects (continued)
II. DRE Moot Court Exercise (continued)

Friday, September 27th

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, Austin, TX

9:15 – 9:30 – BREAK

9:30 – 10:30
Presenting Drug Impairment Evidence in Court – Defense Perspective
Speaker TBD

10:30 – 10:45 – BREAK

10:45 – 11:45
Presenting Drug Impairment Evidence in Court – Toxicologist Perspective
Ariana Adeva, Orange County Crime Lab, Santa Ana, CA

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