THE ROBERT F. BORKENSTEIN COURSE ON ALCOHOL, AND HIGHWAY SAFETY: TESTING, RESEARCH AND LITIGATION
Founded by Robert F. Borkenstein, Professor Emeritus, Indiana University

SCHEDULE
May 17th -22nd, 2015
Center for Studies of Law in Action

Barry K. Logan Ph.D., Executive Director
Patrick Harding, Assistant Course Director
Robert Zettl, Course Manager

All sessions will be held in the Frangipani Room at the Indiana Memorial Union Building on the Bloomington, IN campus of Indiana University. Attendance at all sessions is mandatory except by permission of the Course Director.

Sunday, May 17th, 2015

11:30am - 12:00pm
Registration, distribution of course materials, payment of fees.
LUNCH PROVIDED

12:00 – 12:30
Introduction/Orientation
Robert Zettl
Dr. Barry Logan

12:30 – 1:45
Pharmacology and Physiology of Alcohol
Dr. Robert B. Forney Jr, Chief Toxicologist, Office of Lucas County Coroner, Toledo, Ohio; and Clinical Associate Professor, Medical University of Ohio.

1:45 – 2:00 – BREAK

2:00 – 3:15
Dr. Robert B. Forney Jr (continued)

3:15 – 3:30 – BREAK

3:30 – 5:00
Dr. Robert B. Forney Jr (continued)

6:00 – 8:00
Welcome Dinner
Attendees are invited to join the faculty for dinner and cash bar in the State Rooms East and West.
Monday, May 18th, 2015

8:00 – 9:00 am  
0.08 – The Film that Changed a Nation’s Law  
Mr. Doug Lucas, Director of the Centre for Forensic Sciences (Retired), Toronto, Ontario, Canada.

9:00 – 9:15 BREAK

9:15 – 10:30  
Chemistry and Biochemistry of Alcohol  
Dr. Barry K Logan, NMS Labs, Willow Grove PA.

10:30 – 10:45 BREAK

10:45 – Noon  
Forensic Pharmacokinetics of Ethanol  
Dr. Alan Wayne Jones, Guest Professor, Department of Clinical Pharmacology, University of Linköping, Sweden.

Noon – 1:00 LUNCH

1:00 – 2:00  
Historical Perspective on Forensic Alcohol Analysis  
Dr. Alan Wayne Jones, Guest Professor, Department of Clinical Pharmacology, University of Linköping, Sweden.

2:00 – 2:15 BREAK

2:15 – 3:30  
Blood Alcohol Analysis: Theory and Practice  
Dr. Curt Harper, Toxicology Discipline Chief, Alabama Department of Forensic Sciences, Hoover, AL

3:30 – 3:45 BREAK

3:45 – 5:00  
Breath Alcohol Instrumentation: Theory and Practice  
Ms. Teri Martin, Centre of Forensic Sciences, Toronto, Ontario, Canada

Tuesday, May 19, 2015

8:00 – 9:00  
Behavioral and Performance Effects of Alcohol on Driving  
Dr. Dary Fiorentino, DF Consulting, Los Angeles CA

9:00 – 9:15 BREAK

9:15 – 10:30  
Dr. Dary Fiorentino, Continued.
10:30 – 10:45 – BREAK

10:45 – Noon
**Approaches to Widmark Calculations**
Ms. Alka Lohmann, Virginia Department of Forensic Science, Richmond, VA

Noon – 1:00 – LUNCH

1:00 – 2:15
**Practice and Pitfalls of Retrograde Extrapolation**
Ms. Alka Lohmann, Virginia Department of Forensic Science, Richmond, VA

2:15 – 2:30 – BREAK

2:30 – 3:30
**Predicting Impairment: The Role of BAC and Complexity of the Driving Task Impairment**
Ms. Teri Martin, Centre of Forensic Sciences, Toronto, Ontario, Canada

3:30 – 3:45 – BREAK

3:45 – 5:00
**Principles and Application of Standardized Field Sobriety Tests (Followed by Demonstration of Fatal Vision Goggles)**
Mr. Joseph Turner, Indiana Criminal Justice Institute

**Wednesday, May 20, 2015**

8:00 – 9:15
**Distribution of Ethanol between Blood and other Biological Specimens from Living and Deceased Persons**
Dr. Alan Wayne Jones, Guest Professor, Department of Clinical Pharmacology, University of Linköping, Sweden.

9:15 – 9:30 – BREAK

9:30 – 10:30
**Basic Principles of Mathematics and Statistics in Alcohol Toxicology**
Mr. Rodney Gullberg, Clearview Statistical Consulting, Seattle, WA

10:30 – 10:45 – BREAK

10:45 – Noon
**The Changing Landscape: Standards in the Forensic Laboratory**
Mr. Randall Beaty, Deputy Scientific Director, Crime Laboratory Service, Texas Department of Public Safety, Austin, TX

12:00 – 1:00 - LUNCH
1:00 – 2:15
**Uncertainty of Measurement Determination in Blood and Breath Alcohol Testing**
Mr. Rodney Gullberg, Clearview Statistical Consulting, Seattle, WA

2:15 – 2:45 – BREAK and CLASS PHOTO

2:45 – 4:30
**The Current Scene Panel Discussion: All Faculty**

5:00 – 7:00
**Wine and Cheese Reception – University Club (IMU)**

**BONUS SESSION: 7:00–**
*Tutorial on Statistical Applications of Alcohol Data*
Mr. Rodney Gullberg, Clearview Statistical Consulting, Seattle, WA

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**Thursday, May 21, 2015**

8:00 – 9:15
**The Legal Framework for DUI – Constitutional Issues and Case Law**
Mr. Boris Moczula, JD, Deputy Director (retired), New Jersey Division of Criminal Justice

9:15 – 9:30 – BREAK

9:30 – 10:45
Mr. Boris Moczula (continued)

10:45 – 11:00 – BREAK

11:00 – 12:00
**Analysis and Response to Defense Challenges in Forensic Alcohol Testing**
Mr. Patrick Harding, Emeritus Toxicology Section Director, WI State Laboratory of Hygiene

12:00 – 1:00 - **LUNCH**

1:00 – 2:15
Mr. Patrick Harding (continued)

2:15 – 2:30 – **BREAK**

2:30 – 3:30
Mr. Patrick Harding (continued)

3:30 – 3:45 – **BREAK**
3:45 – 5:00  
The Confrontation Clause and Scientific Testimony  
Mr. Boris Moczula, JD, Deputy Director (retired), New Jersey Division of Criminal Justice

BONUS SESSION: 7:00–  
Tutorial on Statistical Applications of Alcohol Data  
Mr. Rodney Gullberg, Clearview Statistical Consulting, Seattle, WA

Friday, May 22, 2015

8:00 – 9:15  
Expert Testimony: Basic Principles  
Ms. Mary Anderson, JD, Chief Deputy Prosecutor, Bend, Oregon

9:15 – 9:30 – BREAK

9:30 – 10:30  
Ms. Mary Anderson (continued)

10:30 – 10:45 – BREAK

10:45 – 11:30  
Discussion - Expert Testimony: Practical Considerations  
Mr. Patrick Harding  
Ms. Mary Anderson

11:30 – 11:45  
Presentation of Certificates and Close of Course  
Mr. Robert Zettl, Mr. Patrick Harding