

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

SCHEDULE

December 4 - 9, 2011
Center for Studies of Law in Action

Barry K. Logan Ph.D., Executive Director
Joe Turner, Course Manager
Suz Frederickson, Program Coordinator
Darlena Lindsay, Program Assistant

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. (All times listed are Eastern Time)

Sunday, December 4th, 2011

- 11:30 A.M. – Noon** Registration, distribution of course materials, and payment of fees.
- 12:00 – 12:15** **Orientation**
Center Executive Director, Dr. Barry Logan
Course Manager, Mr. Joe Turner
- 12:15 – 1:15** **The Legal Framework for DUI – Constitutional Issues and Case Law**
Hon. Robert H. Montgomery, Jr.
Judge, Sullivan County, Tennessee
- 1:15 – 1:30** **Break**
- 1:30 – 2:30** Montgomery (Cont'd)
- 2:30 – 2:45** **Break**
- 2:45 – 3:45** Montgomery (Cont'd)
- 3:45 – 4:00** **Break**
- 4:00 – 5:00** **Historical Perspectives on Alcohol Testing in Traffic Law Enforcement**
Dr. Kurt M. Dubowski
George Lynn Cross Distinguished Professor Emeritus of Medicine,
University of Oklahoma College of Medicine

6:00 – 9:00 Attendees are invited to join the faculty for introductory dinner and cash bar in the State Room East/West.

Monday, December 5th, 2011

8:00 – 9:30 **Legal Admissibility Issues: Limited Uncertainty and Substantial Confrontation**

Boris Moczula
N.J. Attorney General's Office, Trenton, N.J.

9:30 – 9:45 **Break**

9:30 – 10:45 **Chemistry and Biochemistry of Alcohol**

Dr. Barry K. Logan
Executive Director, Center for Studies of Law in Action, IU
Director of Toxicological Services, NMS Labs, Willow Grove PA

10:45 – 11:00 **Break**

11:00 – Noon **Pharmacology of Alcohol**

Dr. Robert B. Forney Jr.
Chief Toxicologist, Office of Lucas County Coroner, Toledo, Ohio;
and Clinical Associate Professor, Medical University of Ohio

Noon – 1:00 **Lunch**

1:00 – 2:00 Forney (Cont'd)

2:00 – 2:15 **Break**

2:15 – 3:30 Forney (Cont'd)

3:30 – 3:45 **Break**

3:45 – 5:00 **Application of Standardized Field Sobriety Tests**
(Followed by Demonstration of Fatal Vision Goggles)

Mr. Joseph Turner
Indiana Criminal Justice Institute

Tuesday, December 6th, 2011

8:00 – 9:15 **Biochemical and Physiological Research on Forensic Aspects of Alcohol, part 1**

Dr. A.W. Jones
Department of Alcohol Toxicology
National Laboratory of Forensic Chemistry, Sweden

- 9:15 – 9:30 Break**
- 9:30 – 10:30 Jones (Cont'd)**
- 10:30 – 10:45 Break**
- 10:45 – 12:00 Basic Principles of Mathematics and Statistics in Alcohol Toxicology**
Mr. Rod Gullberg
Forensic Alcohol Consultant
- 12:00 – 1:00 Lunch**
- 1:00 – 2:15 ISO 17025 Accreditation for Breath Alcohol Calibration Laboratories**
Mr. Randall Beaty
Assistant Manager, Texas Department of Public Safety
- 2:15 – 2:30 Break**
- 2:30 – 3:30 Preparing Your Program for Challenges to Uncertainty and Traceability in Alcohol Analysis**
Rod Gullberg
- 3:30 – 3:45 Break**
- 3:45 – 5:00 A Practical Experience of Implementing ASCLD-LAB ISO 17025 Accreditation**
Ms. Alka Lohmann
Virginia Department of Public Safety

Wednesday, December 7th, 2011

- 8:00 – 9:15 Breath Alcohol Instrumentation**
Mr. J. Robert Zettl
Forensic Consultants, Inc.
- 9:15 – 9:30 Break**
- 9:30 – 11:00 Legitimate and Spurious Challenges to Alcohol Testing in Traffic Law Enforcement: Principles and Practice**
Dr. Kurt Dubowski
- 11:00 – 11:15 Break**

11:15 – 12:15 Blood-Alcohol Analysis: Principles and Practice

Dr. Barry K Logan

12:15 – 1:15 Lunch

1:15 – 2:30 Alcohol and Driving Impairment

Dr. Barry K Logan

2:30 – 2:45 Break

2:45 – 4:30 The Current Scene Panel Discussion: Anderson, Beaty, Dubowski, Forney, Gullberg, Harding, Jones, Logan, Wigmore, Zetl. Turner will be the moderator.

BONUS: 7:00 p.m. – Mr. Rod Gullberg – Tutorial on Statistical Applications of Breath Alcohol Data – Oak Room in Tree Suites

Thursday, December 8th, 2011

8:00 - 9:30 Biochemical and Physiological Research on Forensic Aspects of Alcohol, part 2

Dr. A. W. Jones

9:30 – 9:45 Break

9:45 – 10:45 Forensic Alcohol Toxicology Databases and Their Courtroom Applications

Mr. Jim Wigmore
Forensic Alcohol Toxicologist
Ontario Centre of Forensic Sciences (Retired)

10:45 – 11:00 Break

11:00 – 12:00 Retrograde Extrapolation and Worked Examples

Mr. Jim Wigmore

12:00 – 1:00 Lunch

1:00 – 2:30 Analysis of Defense Challenges to Breath- and Blood-Alcohol Testing

Mr. Patrick Harding
Wisconsin State Laboratory of Hygiene

2:30 – 2:45 Break

2:45 – 3:45 Harding (Cont'd)

3:45 – 4:00 Break

4:00 – 5:00 Harding (Cont'd)

BONUS: 7:00 p.m. – Mr. Rod Gullberg – Tutorial on Statistical Applications of Breath Alcohol Data – Walnut Room in Tree Suites

Friday, December 9th, 2011

8:00 – 8:15 Review Questions: Recent Research, Alcohol Databases, Analysis of Defense Challenges

8:15 – 9:15 Expert Testimony

Ms. Mary Anderson
Deschutes County District Attorneys' Office, Bend, Oregon

9:15 – 9:30 Break

9:30 – 10:30 Anderson (Cont'd)

10:30 – 10:45 Break

10:45 – 11:30 Q&A on Expert Testimony

Ms. Mary Anderson
Mr. Patrick Harding

11:30 – 11:45 Break

11:45 – 12:00 Distribution of Certificates and Close of Course

Mr. Joe Turner
