Forensic Toxicology Short Courses

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Two 8-hour courses are offered back-to-back March 31 - April 2 at MSACL 2019 US in Palm Springs, CA. Your course registration includes a free Exhibits and Plenary Session Pass for the conference. EarlyBird Registration for each course is \$40 (Student), \$120 (Acad), \$250 (Commercial). Register online at www.msacl.org.



Forensic Toxicology 101: Basic Forensic Toxicology

Level: Beginner Prerequisites: None Course Contact Hours: 8 **Start: Sunday, March 31, 2:00 pm** End: Monday, April 1, 12:00 pm

Overview: Become familiar with the basic concepts of forensic toxicology. Ideal for attendees that wish to learn more about the forensic toxicology landscape.

- Intro to Forensic Tox
 - History of Forensic Toxicology
 - Analytical Techniques in Forensic Toxicology (Colorimetric, Immunoassay, Hyphenated Chromatography-Detection)
 - Modern Divisions
- Human Performance Toxicology
 - (Description, Specimen Types, Analytical Techniques, Interpretation Challenges, Case Studies)
 - Ethanol
 - o DUID
- Postmortem Toxicology
- Workplace Drug Testing
- Quality Assurance in Forensic Toxicology (Validation, Accreditation and Certification)

Forensic Toxicology 201: Advanced Forensic Toxicology

Level: Intermediate/Advanced Prerequisites: Forensic Tox 101 recommended Course Contact Hours: 8

Start: Monday, April 1, 1:00 pm End: Tuesday, April 2, 12:00 pm

Overview: Become familiar with the issues surrounding various classes of drugs and their role in forensic toxicology scenarios. Current drug use trends in the United States will be discussed, along with analytical recommendations. It is presented at the intermediate to advanced level and is ideal for attendees that wish to gain more advanced knowledge about forensic toxicology analytes.

The following topics will be covered with a focus on Prevalence, Pharmacology/Toxicology, Human Performance Toxicology, and Post-Mortem Toxicology including Interpretation challenges and Case Studies for each.

- Cannabinoids
- Stimulants/Sympathomimetics
- Benzodiazepines
- Opiates/Opioids
- Novel Psychoactive Substances (NPS)
- Drug-Facilitated Crimes

