

General Course Details	
Course Title	Opioids: Core Concepts
Course Duration	1.5 hours
Initial Launch Date	10-31-23
Course Description	The term “opioids” is an umbrella term that refers to all natural opiates, semi-synthetic opioids, and fully synthetic opioids. These drugs include but are not limited to morphine, codeine, oxycodone, methadone, and fentanyl. Each opioid has unique characteristics that will be explored in more detail during this course. Opioids induce a variety of effects on the human body, including analgesia, euphoria, CNS depression, nausea, and decreased GI motility. Some of these effects, namely euphoria and CNS depression, can lead to drug abuse and dangers to both the user and others. This course will begin with the pharmacology of the opioids, reviewing how opioids interact with receptors in the nervous system and the pharmacokinetics of different opioids. The forensic toxicology lectures will discuss important concepts such as driving impairment, tolerance, and other toxicological concerns surrounding opioids. The clinical toxicology lecture will explore the physical manifestations of opioid intoxication, considerations for interpreting opioid testing results and other related topics.
Learning Objectives	• Identify opioid receptors and their mechanisms • Identify various opioids • Discuss pharmacokinetics of opioids • Review unique properties
Lessons	6
Quizzes	1

Format	Courses on DrugImpairment.com are offered in an asynchronous e-learning format. Each course consists of individual lessons and each lesson contains video-based instruction or a written learning assignment. Lessons are equipped with timers and activity monitoring for completion integrity. Certificates are granted upon completion of all lessons in a course and achieving satisfactory performance on any associated quizzes. Course learning hours are determined by run-time, with a minimum of 50 minutes required per credit hour.
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Instructor Information	
Instructor Name	Richard Chen, MD
Instructor Biography	Dr. Richard Chen is a Clinical Assistant Professor at the Sidney Kimmel Medical College and is a board-certified medical toxicologist and emergency physician. Dr. Chen received his MD degree from the University of Maryland, School of Medicine and completed his emergency medicine residency at Rutgers Robert Wood Johnson Medical School in New Brunswick, NJ. He subsequently completed Medical Toxicology Fellowship at Albert Einstein Medical Center in Philadelphia, where he has remained as faculty. He currently serves as a core faculty member for the Einstein Medical Center Montgomery emergency medicine residency. His current interests include medical student, resident and fellow education and addiction medicine.
ABFT Certified	Yes ☐ No ☐ Not Applicable ☒
POST Instructor	Yes ☐ No ☐ Not Applicable ☒
DRE	Yes ☐ No ☐ Not Applicable ☒
DRE Instructor	Yes ☐ No ☐ Not Applicable ☒
Medical Doctor	Yes ☒ No ☐ Not Applicable ☐

Instructor Information

Instructor Name	Dani Mata, MSFS, D-ABFT-FT
Instructor Biography	Dani C. Mata, MSFS, is currently a Senior Forensic Scientist for the Forensic Chemistry Bureau of the Orange County Crime Lab, CA where she has worked since 2007. Ms. Mata has been certified by the American Board of Forensic Toxicologists as a Diplomate in Forensic Toxicology since 2015 and is currently a Director on the board. In 2015 and 2016 Ms. Mata served as an affiliate on the Organization of Scientific Area Committee Task Group on Report and Testimony and starting in 2020 became a member of the Toxicology Subcommittee in 2020. Ms. Mata has been a member of the California Association of Toxicologists (CAT) since 2009 and has co-hosted two of the meetings and presented at nine CAT meetings. For CAT, she has co-chaired the Research Grant Committee for 2012 – 2014, and Literature Review Committee for 2012 – 2018. Ms. Mata has been a member of the Society of Forensic Toxicology (SOFT) since 2011 and has served on the Young Forensic Scientist Committee from 2013 – 2016, The Award Committee 2017 – 2020, The Toxicology Resource Committee 2020 to present and the Designer Drug Committee 2016 – present, where she has been the chair since 2017. She was the Volunteer co-Coordinator for the 2016 SOFT meeting and was the co-host to the SOFT 2020 meeting, which ended up being cancelled due to the COVID-19 pandemic. She was awarded the SOFT 2012 Young Scientist Meeting Award, SOFT 2021 Young Forensic Toxicologist Service Award and the 2022 AAFS Toxicology Section's Ray Abernethy for Outstanding Forensic Toxicology Practitioner.
ABFT Certified	Yes ☒ No ☐ Not Applicable ☐
POST Instructor	Yes ☐ No ☐ Not Applicable ☒
DRE	Yes ☐ No ☐ Not Applicable ☒
DRE Instructor	Yes ☐ No ☐ Not Applicable ☒

Instructor Information	
Instructor Name	Sharon Kelley, PhD

Instructor Biography	Dr. Sharon Kelley is the CEO for the Kelley Consulting Group, Associates for Global Narcotics Training and Associates in Emergency Medical Education. While completing her Bachelors in Pre-Medical Sciences she served as a Tampa police officer which afforded her firsthand experience in recognition of street and prescription drug abuse. She received a Masters Degree in Drug Chemistry from the University of Florida and then went on to obtain her PhD in Toxicology. She serves as affiliate faculty for the University of Florida College of Pharmacy and as a toxicology consultant for the Florida Attorney General, Office of Special Investigations at MacDill AFB, the Florida Department of Health, prosecutors, private counsel and numerous law enforcement entities. She lectures nationally and internationally to medical, legal and corporate entities, including military and sports organizations, to enhance their recognition and medical / legal management of licit and illicit drug abuse.
ABFT Certified POST Instructor DRE DRE Instructor	Yes ☐ No ☒ Not Applicable ☐ Yes ☐ No ☐ Not Applicable ☒ Yes ☐ No ☐ Not Applicable ☒ Yes ☐ No ☐ Not Applicable ☒