Short Course Schedule

Pricing for 2020 Short Courses:
Registration rates are $575 for a two-day course and $850 for a three-day course up until 3 weeks to the date of each course and $775 for a two-day course and $1,175 for a three-day course less than 3 weeks to each course; note: pricing for courses includes access to the symposium & exposition starting November 16th. NEW for 2020! EAS will be offering short course student rates of $70.00 per day for full-time students (proof of ID required) but you must register in advance. Space is limited.

Times each day are 10:00am – 2:30pm unless noted otherwise

Course descriptions are posted on our website; click on course title to link to the description.

DATES	COURSE TITLE	INSTRUCTORS
Oct. 5-6	Understanding the Cannabis Landscape from Seed to Testing	Susan Audino, S.A. Audino & Associates
Oct. 6-7	Modern Portable Analytical Spectroscopy	Richard Crocombe, Crocombe Spectroscopic Consulting Pauline Leary, Federal Resources
Oct. 7-9	HPLC & UHPLC Part 1 &/or Part 2: Fundamentals & Best Practices in Method Development and Operation/Troubleshooting *(course times 8:30am – 2:00pm)*	Michael W. Dong, MWD Consulting
Oct. 12-13	Characterization of Biologics by Capillary Electrophoresis, Liquid Chromatography, and Mass Spectrometry **(NEW)**	Li Tao, Bristol-Myers Squibb Ming Zeng, Bristol-Myers Squibb
Oct. 14-15	Practical NMR Spectroscopy	Damodaran Achary, University of Pittsburgh
Oct. 15-16	HPTLC - The Other High-Performance Chromatography: Parameters, Applications, Method Development and Troubleshooting **(NEW)**	Eike Reich, HPTLC Association Wilmer Perera, CAMAG Scientific
Oct. 19-20	Learning Chromatography with LC Simulator **(NEW)**	Martin Gilar, Waters
Oct. 20-21	Problems with FT-IR Spectra and How to Avoid Them, *provided in collaboration with SAS* **(NEW)**	Ellen Miseo, TeakOrigin Jenni Briggs, Peak Technologies
Oct. 22-23	An Introduction to High Resolution Mass Spectrometry for Qualitative and Quantitative Analysis **(NEW)**	Matthew Blatnik, Pfizer Graham West, Pfizer
Oct. 26-27	Getting the most from GC and GC/MS	Gregory Slack, Boston Analytical Nicholas Snow, Seton Hall University
Oct. 26-27	Raman Microscopy Imaging	Carlos Morillo, JASCO Inc.
Oct. 28-29	Practical Reversed Phase LC – What to Do When C18 Does or Doesn't Work **(NEW)**	Merlin Bicking, ACCTA, Inc.
Oct. 29-30	Intact and Top-Down Protein Characterization and Quantitation by Mass Spectrometry: Approaches for Pharmaceutical Drug Discovery, Development, and Bioanalysis	John Kellie, GlaxoSmithKline
Nov. 1-2	Communicating Analytical Results in the Pharmaceutical Labs and Maintaining Data Integrity with Good Documentation Practices **(NEW)**	Kim Huynh-Ba, Pharmalytik Consulting
Nov. 2-3	Supercritical Fluid Chromatography: A Powerful and Greener Tool for Analytical and Preparative Separations	Yingru Zhang, Lotus Separations Mike Hicks, Merck & Co.
Nov. 3-4	Green Analytical Chemistry **(NEW)** *course times 1:00pm – 5:30pm*	Douglas Raynie, SD State University
Nov. 4-5	How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting **(NEW)**	Brian Bidlingmeyer, Analytical Acumen Inc. Stanley Deming, Statistical Designs
Nov. 5-6	Practical LC/MS Method Validation **(NEW)**	Perry Wang, LC-MS Technical Expert
Nov. 9-10	Protein Therapeutics Immunogenicity **(NEW)**	Robert Dodge, Novartis
Nov. 11-12	Process Analytical Technology: Out of the Lab and into the Line, *provided in collaboration with SAS*	James Rydzak, Specere Consulting
Nov. 12-13	Lifecycle Approach to Analytical Methods for Drug Products, Incorporating Quality-by-Design Concepts	Gregory Martin, Complectors Consulting