

DRAFT CURRICULUM
DNA TRAINING FOR VIRGINIA CRIMINAL ATTORNEYS

Time	Subject
30 minutes	Introduction to Forensic Biology (to include brief history of Forensic DNA testing)
1.5 hours	Forensic Biology Screening (to include demonstration) Blood Seminal fluid/semen Assumed body fluids and other biological samples (e.g., urine, tissue, hair) Limitations of screening results Quality Assurance Practices Report Writing
1 hour	Collection of samples DNA extraction Quantitation Amplification DNA Typing Autosomal DNA Trace DNA testing PERK Screening Y-STRs Mitochondrial DNA
1 hour	Lunch and DNA Laboratory Tour (Attendees will be broken into two groups – one group will eat lunch while the other goes on 30 minute tour, and then the groups will switch)
1.5 hours	DNA interpretation Simple interpretation Paternity interpretation Mixture interpretation
1.5 hours	Statistics Simple Mixture Probabilistic Modeling
1 hour	DNA Data Bank searches Familial DNA searches Limitations of DNA testing Quality Assurance Practices DNA Report Wording