



# RON SMITH & ASSOCIATES, INC.



## FINGERPRINT AND TRACE EVIDENCE DETECTION AND COLLECTION ON SKIN

### Course Description

This four day workshop is designed to make the attendee aware of the research endeavors targeting fingerprint detection on skin, landmark case histories and to explain the science behind the techniques that have proven successful in homicide investigations. The attendee will explore through hands on experience the techniques that have identified murders by fingerprints left on the skin of their victims. The proper removal and examination process is vital to obtaining the most evidence. Sequential examination and processing will be emphasized, as well as the necessity for cooperation with medical examiners and other partners in the investigation process. With the scientific foundation provided you will be able to properly document, present and defend your evidence in court. It will further outline the importance of planning and organizing a body examination service delivery, and finally to create an effective Standard Operating Procedure.



**Class Instructor:**  
**Brian Dalrymple,**  
**CLPE**



### Target Audience

This course is designed to benefit all investigators who process bodies for evidence. Be sure you take this class:

- If your police agency investigates homicides
- If your duties include the examination of murder victims and the crime scenes at which they are found
- If you wish to insure that the recovery of critical evidence from both victim and crime scene is maximized, and further, that said evidence, through adherence to correct procedure, is afforded the full weight in court that it merits
- You are developing or updating a body examination SOP

### Should be Able to Perform

At the completion of this workshop the attendee will have the knowledge and practical experience to:

- Speak to and explain landmark developments in the detection of fingerprints on skin
- Diagnose and triage a murder victim and/or crime scene
- Develop a protocol for sequential examination of both
- Apply examination techniques correctly and in the right order
- Preserve and photograph all recovered evidence
- Tender such evidence in court

### Must Bring to Class

- A lab smock.
- A digital SLR camera capable of macro photography with a tripod is optional but strongly recommended.
- Students will benefit the most if they are familiar with the operation of the camera.
- Class attire is business casual.

# Daily Schedule

	Day 1	Day 2	Day 3	Day 4
Hour 1	Opening Remarks / History & Rationale	Procedures	Laboratory Session	Photography / Theory
Hour 2				
Hour 3	Strategy & / Policy	Techniques & Evidence	Laboratory Session	Photography
Hour 4				Exercises
Lunch	Lunch	Lunch	Lunch	Lunch
Hour 5	Health & Safety	Mock Crime Scenes	Laboratory Session	Workshop
Hour 6				Review
Hour 7	Crime Scene DNA			Certificates
Hour 8				

## SUPPLIED BY RS&A

- A coil-bound comprehensive workshop manual for each student
- All dry chemistry
- All sample substrates and test exhibits for student use

## SUPPLIED BY HOST AGENCY

There are significant challenges in supplying and shipping liquid chemistry in sufficiently small quantities to suit these workshops, and once opened, the unused portions cannot then be shipped to another training venue. They are all items ordered and used by identification agencies in routine duties. We ask therefore that these solvents are supplied by the host agency.

- 2 L HFE 7100 (or available substitute)
- 1 L Ethanol
- 1 L Methanol
- 200 ml Ethyl Acetate
- 200 ml Glacial Acetic Acid
- 50 ml Formic Acid