

Identifying the Recently Deceased: Bones, Teeth, and DNA

Course Date and Location: July 31-Aug 4, 2023, Erie, PA

Instructors: Dirkmaat, Adserias, Cabo, Lench, Wally Miller, Ray Miller, Arthur Young

Syllabus

31 July 2023

Introduction to Human Identification. Fingerprints:

8:00-8:30am	Course welcome and introductions
8:30-9:30	Introduction to Forensic Anthropology and Personal Identification (Dirkmaat)
9:30-9:45	Break
9:45-10:45	Identification of the deceased: the Coroner's perspective (Wally Miller)
10:45-12:00	Identification of the deceased: the Law Enforcement perspective (Lench)
12:00-2:00	Lunch break
2:00-3:00	Fingerprint impressions from the deceased (Lench)
3:00-5:00	Hands-on session: Fingerprints (Lench)

1 August 2023

Reconstructing the Biological Profile

8:00-9:00am	Sex estimation on skeletal remains (Adserias)
9:00-9:45	Hands-on session: Sex estimation (Adserias)
9:45-10:00	Break
10:00-11:00	Osteological Methods for Age Estimation (Cabo)
11:00-12:00	Dental Methods for Age Estimation (Adserias)
12:00-2:00	Lunch break
3:00-5:00	Hands-on session: Age Estimation Methods (Adserias, Cabo)

2 August 2023

Reconstructing the Biological Profile and Positive Identification

8:00-9:00am	Stature estimation (Adserias)
9:00-10:00	Ancestry estimation (Cabo)
10-10:30	Break
10:30-12:00	Hands-on session: Stature and Ancestry Estimation (Cabo)
12:00-2:00	Lunch break
3:00-4:00	Positive Identification in Forensic Anthropology (Adserias)
4:00-5:00	Hands-on session: Positive Identification by osteological means (Adserias)

3 August 2023

Odontological Means of Identification

8:00-9:00am	Introduction to human identification by odontological means (Adserias)
9:00-10:00	Dental coding and odontogram (Adserias)
10-10:30	Break
10:30-12:00	Forensic Odontology contributions to Mass Disaster Victim Identification (Ray Miller)
12:00-2:00	Lunch break
3:00-5:00	Hands-on session: Dental identification (Adserias, Miller?)

4 August 2023

Identification by DNA Analysis

8:00-9:00	Introduction to human identification by DNA (Young)
9:00-10:00	Positive identification by DNA (Young)
10:00-10:30	Break
10:30-12:00	Genetic Genealogy and Phenotyping (Young)
12:00-2:00	Lunch break
3:00-4:00	Hands-on session: Interpreting the DNA report (Young)
4:00-5:00	Course final discussion (Dirkmaat, Adserias)