



**23<sup>rd</sup> Annual  
Forensic Anthropology**  
7 - 11 June 2010  
National Transportation Safety Board  
Training Center  
Ashburn, Virginia

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Ashburn, Virginia  
**Course Directors**  
Brian F. Spatola, MA  
Franklin E. Damann, MA  
**Sponsored by**  
Armed Forces Institute of Pathology  
American Registry of Pathology  
Supported by  
National Museum of Health and Medicine  
With Participation by  
National Transportation Safety Board



# FORENSIC ANTHROPOLOGY

Armed Forces Institute of Pathology



Non-Profit Org.  
U.S. Postage  
**PAID**  
Silver Spring, MD  
Permit No. 3839

- Learn the basic methods that anthropologists use to determine age, sex, race, and stature from the human skeleton.
- Discern the fundamental differences between human and non-human skeletons.
- Identify the ways forensic anthropology can assist in interpreting skeletal trauma.
- Comprehend methods used in body search and excavation techniques.
- Understand the theoretical and practical considerations of personal identity and evidence as it relates to forensic anthropology.
- Understand the contribution of DNA analysis and forensic odontology to victim identification.
- Determine how forensic anthropology is integrated into the response to mass disasters.

## COURSE OBJECTIVES

By attending this course, attendees will:

Forensic anthropology is concerned with the scientific recovery, analysis and identification of human remains in the medicolegal context. Forensic anthropologists frequently apply their knowledge of human remains to victim identification, remains search and recovery and the interpretation of skeletal trauma. Over time, the role of the forensic anthropologist has expanded to include a greater role in human rights investigations and mass disaster operations. This course uses hands-on lab sessions to introduce basic techniques of skeletal analysis. Lectures provide the theoretical and methodological basis of human osteology and introduce applications used by anthropologists in their work. Forensic pathologists, death investigators, forensic dentists, attorneys and other specialists engaged in multi-disciplinary forensic investigations will find this course an excellent survey of forensic anthropology.

## COURSE DESCRIPTION

## ABOUT AFIP

Established in 1862, the Armed Forces Institute of Pathology (AFIP) is a tri-service agency of the Department of Defense dedicated to pathology consultation, education, and research. With 23 subspecialty departments and renowned clinicians, pathologists and researchers onsite, AFIP provides diagnostic solutions to the military, academia, government institutions, and commercial markets.

## CONTINUING MEDICAL EDUCATION PROGRAM

AFIP received a six-year accreditation from the Accreditation Council for Continuing Medical Education (ACCME). This is the highest mark that any ACCME-accredited provider can attain, and less than 1% of the several hundred providers nationwide receive this honor. This is a true testament to the quality of our program. We encourage everyone to take advantage of our expertise for the advancement of their own career, and to make a difference in the civilian and military medical community.



## COURSE LOCATION

The course will be held at the National Transportation Safety Board (NTSB) Training Center, Ashburn, Virginia. The NTSB Academy, located on the Northern Virginia campus of George Washington University, is five miles north of Washington Dulles International Airport and features modern lecture facilities and laboratory areas. For directions to the facility, visit the website at [www.nts.gov/TC/TrainingCenter.htm](http://www.nts.gov/TC/TrainingCenter.htm).

Rooms have been reserved at the Hyatt Place Sterling at a special reduced rate of \$130 single/double or the prevailing government per diem until 17 May 2010. When contacting the hotel to make your reservation, please refer to the **Forensic Anthropology Course**.

Hyatt Place Sterling will provide transportation to and from the NTSB Training Center each day.

**Hyatt Place Sterling/Dulles Airport North**  
21481 Ridgeway Circle  
Sterling, Virginia 20166  
Tel: (703) 444-3903  
Toll-Free: (800) 478-8950

## FACULTY

**Bradley Adams, PhD, DABFA**  
Office of Chief Medical Examiner  
New York, New York

**Dana Austin, PhD, DABFA**  
Tarrant County Medical Examiner's Office  
Fort Worth, Texas

**Lenore Barbian, PhD**  
Department of History and Anthropology  
Edinboro University of Pennsylvania  
Edinboro, Pennsylvania

**Angi M. Christensen, PhD**  
Laboratory Services  
Federal Bureau of Investigation  
Quantico, Virginia

**Franklin E. Damann, MA**  
National Museum of Health and Medicine  
Armed Forces Institute of Pathology  
Washington, DC

**Diane France, PhD, DABFA**  
Human Identification Laboratory  
Colorado State University  
Fort Collins, Colorado

**Tom Holland, PhD, DABFA**  
USA Joint POW/MIA Accounting Command (JPAC)  
Central Identification Laboratory  
Hickam AFB, Hawaii

**David Hunt, PhD, DABFA**  
Department of Anthropology  
National Museum of Natural History  
Washington, DC

**Elias J. Kontanis, PhD, D-ABMDI**  
National Transportation Safety Board  
Washington, DC

**Lisa Leppo, Ph.D, DABFA**  
USA Quatermaster Center and School  
Mortuary Affairs Center  
Ft. Lee, Virginia

**Marilyn London, MA**  
Department of Anthropology  
University of Maryland  
College Park, Maryland

**Laura Regan, PhD, Maj, USAF**  
Armed Forces Medical Examiner System  
Rockville, Maryland

**William C. Rodriguez III, PhD, DABFA**  
Armed Forces Medical Examiner System  
Rockville, Maryland

**Duane R. Schafer, CAPT, DC, USN**  
Oral and Maxillofacial Pathology  
Navy Specialty Leader, Forensic Odontology  
Armed Forces Institute of Pathology  
Washington, DC

**Paul S. Sledzik, MS**  
Manager, Victim Recovery and Identification  
National Transportation Safety Board  
Washington, DC

**Martin C. Solano, PhD**  
Washington, DC

**Brian F. Spatola, MA**  
National Museum of Health and Medicine  
Armed Forces Institute of Pathology  
Washington, DC

**Steven A. Symes, PhD, DABFA**  
Mercyhurst Archaeological Institute  
Erie, Pennsylvania

**Allison Webb Wilcox, MA**  
Department of Anthropology  
University of Pennsylvania  
Philadelphia, Pennsylvania

## PROGRAM

### MONDAY, 7 JUNE 2010

- 8:00 - 8:30 Registration/Pre-Test
- 8:30 - 9:00 Introduction and Overview of Forensic Anthropology  
*Franklin Damann, MA*
- 9:00-10:00 Body Search and Recovery Methods  
*Diane France, PhD, DABFA*
- 10:00-10:15 BREAK
- 10:15-11:15 Methods and Standards in Osteology  
*Lenore Barbian, PhD*
- 11:15-12:00 Non-Forensic Remains  
*Diane France, PhD, DABFA*
- 12:00 - 1:00 LUNCH
- 1:00 - 2:00 Human Identification at JPAC  
*Tom Holland, PhD, DABFA*
- 2:00- 4:30 Laboratory: Osteology, Bone Fragments

### TUESDAY, 8 JUNE 2010

- 8:30- 10:00 Sex Determination and Age Estimation  
*David Hunt, PhD, DABFA*
- 10:00-10:15 BREAK
- 10:15-11:15 Ancestry Determination and Stature Estimation  
*Marilyn London, MA*
- 11:15- 12:00 Human Identification/Cold Case Unidentified Remains  
*Dana Austin, PhD, DABFA*
- 12:00 - 1:00 LUNCH
- 1:00 - 4:30 Laboratory: Sex, Race, Stature, Non-Forensic Remains, Pathology

### WEDNESDAY, 9 JUNE 2010

- 8:30 - 9:15 OAFME Case Studies/ Taphonomy  
*William C. Rodriguez III, PhD, DABFA*
- 9:15-10:00 Trauma Analysis I  
*Steven A. Symes, PhD, DABFA*
- 10:00-10:15 BREAK
- 10:15-12:00 Trauma Analysis II/Burning  
*Steven A. Symes, PhD, DABFA*
- 12:00 - 1:00 LUNCH
- 1:00 - 4:30 Laboratory: Aging Techniques, Skeletal Trauma

## NON-US CITIZENS

Non-US citizens must, PRIOR TO THE COURSE, mail or fax course confirmation receipt or invoice with one of the following: (1) a clear copy of the first two pages of passport with number showing, (2) a clear copy of your green card with number showing, or (3) a clear copy of your visa. You will be unable to attend the course without this information. You may receive the syllabus on CD and related materials, but no refunds.

**Send to: Oscar Molina, TSgt, USAF**  
Department of Medical Education  
Armed Forces Institute of Pathology  
6825 16th Street, NW  
Washington, DC 20306-6000  
Fax: (202) 782-5020

If you are sponsored by an ECFMG organization, please verify your status as current and active by including a letter from the program director with your registration form.

If you are affiliated with your country's government/military, please write to the Office of the Surgeon General, DASG-HCZ-IP, 5109 Leesburg Pike, Falls Church, Virginia 22041-3258 [FAX: (703) 681-3429] and provide: (1) a letter of intent to attend the course and (2) a letter from your personnel office certifying full-time employment.

All non-US citizens must make checks or International Money Orders payable to the **American Registry of Pathology**. All payments must be in US dollars and be accompanied by course confirmation receipt or invoice. Send to the Department of Medical Education at the Armed Forces Institute of Pathology, Washington, DC 20306-6000.

## US CITIZENS

US citizens must provide, PRIOR TO THE COURSE, a clear copy of your birth certificate or the first two pages of your passport. You will be unable to attend the course without this information. You may receive the syllabus on CD and related material, but no refunds.

### THURSDAY, 10 JUNE 2010

- 8:30 - 9:30 Forensic Anthropology at the NYC OCME  
*Bradley Adams, PhD, DABFA*
- 9:30-10:15 US Army Mortuary Affairs Operations  
*Lisa Leppo, PhD, DABFA*
- 10:15-10:30 BREAK
- 10:30-11:15 Forensic Odontology  
*Duane R. Schafer, CAPT, DC, USN*
- 11:15- 12:00 Case Studies from North Texas  
*Dana Austin, PhD, DABFA*
- 12:00 - 1:00 LUNCH
- 1:00 - 4:30 Laboratory: Case Studies/Post Test

### FRIDAY, 11 JUNE 2010

- 8:30 - 9:45 Mass Fatality Incidents Overview/NTSB/DMORT  
*Paul S. Sledzik, MS*
- 9:45-10:00 BREAK
- 10:00-11:00 WTC Operations  
*Bradley Adams, PhD, DABFA*
- 11:00 - 12:00 TWA Flight 800  
*Elias Konatanis, PhD*
- 12:00 ADJOURN



## ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Armed Forces Institute of Pathology and the American Registry of Pathology. The Armed Forces Institute of Pathology is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality, and scientific integrity of this CME activity.

The formal continuing education programs of the AFIP are also accepted by the Academy of General Dentistry for Fellowship, Mastership, and membership maintenance credit.

The Armed Forces Institute of Pathology designates this educational activity for a maximum of 30 AMA Physician's Recognition Award Category 1 credits. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## DOCUMENTATION OF CREDITS

All participants are provided a letter of attendance at the completion of the course. This document is acceptable by the IRS, AMA, and state medical societies as proof of attendance at the course. A \$10 administration processing fee will be charged for each additional request for documentation of CME credits.



## REGISTRATION

**TUITION is \$940 before 1 May 2010. Afterwards, it is \$1040. Lunch is included with tuition.**

Active-duty US military, Department of Defense civilians, full-time permanent Department of Veterans Affairs employees (not residents or fellows), and commissioned officers of the US Public Health Service with authorized approval have a **registration fee of \$625**.

An administrative fee of \$100 per registrant will be deducted for cancellation. Refund requests must be received in writing one week prior to the course. No refunds will be made thereafter.

Course fees are payable by check or money order to the American Registry of Pathology or by VISA, MasterCard, or American Express and are due at the time of enrollment. To register online, credit card payment is required.

**NOTE: Each participant will be given the syllabus on CD. There will be no printed syllabus. The syllabus will also be available on [www.askafip.org](http://www.askafip.org). You are welcome to bring a laptop.**

## INFORMATION

*For further information please contact*  
**Course Coordinator: Oscar Molina, TSgt, USAF**  
Department of Medical Education  
Armed Forces Institute of Pathology  
Washington, DC 20306-6000  
Tel: (202) 782-2637  
Toll Free Tel: (800) 577-3749 (within the US)  
Fax: (202) 782-5020  
Toll Free Fax: (800) 441-0094  
DSN: 662-2637  
Email: [came@afip.osd.mil](mailto:came@afip.osd.mil)



**If you need special assistance, please contact us.**

## REGISTRATION ON THE WEB

Steps to register for this course:

1. In order to register for an AFIP course, you must first create an AskAFIP account at [www.askafip.org](http://www.askafip.org).
2. Click on "Register", complete the registration form and record the User ID (we suggest last name if not previously entered) and password for future reference.
3. Once you have an account and are logged in, click on "Education"- this will bring you to the course catalog.
4. Scroll down and select the course you wish to take.

**NOTE:** If you have any questions about this process, please feel free to contact the Department of Medical Education.

**REGISTER ON THE WEB**  
[www.askafip.org](http://www.askafip.org)

**Audiotaping or videotaping is prohibited.**

**It is the policy of the Armed Forces Institute of Pathology that the provider and faculty/presenters disclose any significant financial or other relationships with commercial companies whose products may be discussed in the activity, or the commercial supporters, if any. The Armed Forces Institute of Pathology also requires that faculty disclose any unlabeled or investigational use (not yet approved for any purpose) of pharmaceutical products and medical devices. Specific disclosure will be made to the participants prior to the educational activity.**

