

BIOL-3352 Syllabus 2010 - Intro to Forensic Lab Science

Name: Holly Cherian, M.S.

Office Number: Life Science Building- 461

Office Telephone Number: 817-272-0107

Email Address: hcherian@uta.edu

Office Hours: Tuesday 6:00pm-9:00pm, or by appointment

Course Number, Section Number, and Course Title: Biol-3352 Introduction to Forensic Lab Science-
Section 001 & Section 002

Time and Place of Class Meetings: Sec-001: Life Science Building, Room 121, TU & TH 5:30-6:20pm
Sec-002: Life Science Building, Room 334, TH 6:30-8:50pm

Disclaimer: This syllabus is provided for student convenience and is based on the most recent information available. There is no guarantee that the information is 100% accurate. If you have special concerns about course information, you are advised to contact the instructor.

Description of Course Content: An introduction to the various disciplines of Forensic Science including DNA analysis, drug analysis, and firearms basics. Laboratory consists of hands-on investigation of mock crime scenes, fingerprint enhancement methods, and biological analysis of fluids.

Student Learning Outcomes: To provide a comprehensive review in the classroom and laboratory of various disciplines in forensic science.

Requirements: BIOL 1441, 1442, CHEM 1441 & Mandatory Online Lab Safety Training

Required Textbook: Forensic Science: An Introduction to Scientific and Investigative Techniques
Second Edition. By: Stuart H. James & Jon J. Nordby

Descriptions of major assignments and examinations with due dates:

LECTURE:

January 13- Drop Date for non-payment of tuition
January 19 – Chapters 1 & 10 – Intro to Forensic Science Lab/Crime Scene
January 21 – Chapter 12 – Forensic Science Lab
January 26 – Chapter 20 – Firearms & Toolmarks Identification
January 28 – Chapter 24 – Basic Fire & Explosion Investigation
February 2 – Chapters 2 & 4 – Pathology & Traumatic Death
February 3- Census date
February 4 – Chapter 5 – Forensic Toxicology
February 9 – Chapters 13 & 14 – Identification of Biological Fluids & Stains
February 11 – Chapter 11 – Bloodstain Patterns
February 16 – Chapter 16 – Examination of Trace Evidence
February 18 – Chapter 16 – Examination of Trace Evidence
February 23 – Hair Analysis (Notes)
February 25 – Hair Analysis (Notes)
March 2 – Chapters 8 & 9 – Taphonomy & Entomology
March 4 – Chapter 7 – Anthropology
March 9 – Chapters 18 & 19 – Forensic Footwear & Forensic Tire Impression
March 11 – Mid term
March 23 – Chapter 21 – Questioned Documents
March 25 – Chapter 17 - Fingerprints
March 30 – Chapter 26 & 27 – Use of Computers in Forensic Science/Computer Related Crime
April 1 – Chapter 6 – Forensic Odontology

April 2- Last day to Drop
April 6 – Chapter 22 – Analysis of Controlled Substances
April 8 – Chapter 22 – Analysis of Controlled Substances
April 13 – Chapters 23 & 25 – Forensic Engineering
April 15 – Chapters 32 – 34 – Forensic Law
April 20 – Chapter 15 – DNA Analysis
April 22 – Chapter 15 – DNA Analysis
April 27 – Chapters 3, 28 – 31 – Forensic Nursing & Forensic Application of the Social Sciences
April 29 - Video
May 4 – Study Day/No Class
May 6 –Exam

LAB:

January 21 – No Lab
January 28 – Overview/Safety
February 4 – Crime Scene
February 11 – Blood Spatter
February 18 – Fiber
February 25 – Hair
March 4 – Anthropology
March 11 – No Lab
March 25 – Finger Print Development
April 1 – Bite Mark Analysis
April 8 – Drug Bust
April 15 - Kidnapping
April 22 - Homicide
April 29 – Review
May 6 – No Lab

Grading Policy:

- Attendance- 20%
- Lab Reports- 20%
- Midterm Exam- 30%
- Final Exam- 30%

Attendance Policy: Attendance is **mandatory**. After the second absence, attendance will only contribute to 15% of your final grade. After the third absence, attendance will contribute to 10% of your final grade. If you are tardy more than 15 minutes after a class has begun, you are counted absent for that day.

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Last day to drop with a W is April 2, 2010. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Important University Policies:

Americans With Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled *Americans with Disabilities Act (ADA)*, pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens. As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated

administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at www.uta.edu/disability. Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

Academic Integrity: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a **completely unacceptable** mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2)

Student Support Services Available: The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

Drop for non-payment of tuition: Payment must be received by the term due date of January 13, 2010 or your registration will be cancelled and your seat will be released. If your registration is cancelled for non-payment, you may re-register for classes only if seats are available.

Bomb Threats: If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available.

The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

After Hours Safety Escort

The Sam Mav Escort service provides a service to assist students, faculty, staff and campus visitors to reach their destinations after regular business hours. The hours of service are 7:00 p.m. to 1:00 a.m., Sunday through Saturday. 817-272-3381

MavMail:

All students are assigned an email account and information about activating and using it is available at www.uta.edu/email. New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

Make-up Exam Policy: There will be NO make-up exams or quizzes. Extreme circumstances MAY be considered by Instructors discretion with valid proof provided, however is NOT guaranteed. A grade of zero will be recorded for a missed exam. Only ONE exam may be made up at the Instructors discretion.

Mandatory Online Safety Training:

1. Go to <http://www.uta.edu/training>.
2. Log on using your network log-on ID and password (what you use to access email). If you do not know your NetID or need to reset your password, visit <https://webapps.uta.edu/oit/selfservice/>.
3. The available courses for completion will be listed under “Training I’m Enrolled In”. Complete the course entitled ‘Student Lab Safety Training – General.’ ***NOTE: If you completed Wet, Dry or Biology Lab Safety Training course last semester for another class, that training is still applicable until the end of this academic year. Please follow instructions in #4 to print the certification page for your TA.
4. Go to ‘Training I’ve Completed’ and print the displayed page for your TA. Verify that it shows clearly your name, and that ‘General, Wet, Dry or Biology’ training is completed/passed and the date when the training was completed. If you have just completed the training but it is not updated on the ‘Training I’ve Completed’ page, please log out of the system and log back in. If the training still does not show up on this page, call the Helpline at 817-272-5100.
5. If you were enrolled in a course with a lab last semester and did not complete the training or if you do not see training for this academic year listed, email compliance@uta.edu providing your name, a contact phone number, NetID and course (e.g. BIOL 1441-005) and request the appropriate training for your course.
6. Students who have not completed the training by census date may be dropped from the lab (and consequently the lecture).
7. Lab Safety Training is required to be completed once every academic year. Training completed in the Fall semester is valid for the Fall, Spring and Summer sessions. It is your responsibility to print your training certification page and turn it in each semester to your TA for each course with a lab you are enrolled in.

For training specific questions, contact the Environmental Health and Safety office at 817-272-2185.

For technical assistance with the training, please contact the Office of Institutional Compliance at 817-272-5100 or email compliance@uta.edu