

**University of Rhode Island  
College of Pharmacy  
BPS 101, Criminal Investigation:  
Scientific Evidence I, Fall 2023**

**Office Location:** Dennis Hilliard, Fogarty Hall, Room 49  
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**Class Days/Time:** Fridays from noon-6 pm

**Classroom:** Fogarty Hall, room 28

**Primary Instructors:** Mark Zabinski: [mzabinski@uri.edu](mailto:mzabinski@uri.edu)  
Jimmy Clift: [jclift822@verizon.net](mailto:jclift822@verizon.net)

***Covid Protocols***

- If Covid Protocols are changed at any time, the course will follow all URI requirements and recommendations.
- Students who are experiencing symptoms of illness should not come to class. Please stay home and notify URI Health Services via phone at 401-874-2246.
- If you are already on campus and feel ill, go home and self-isolate. Notify URI Health Services via phone immediately at 401-874-2246.
- If you cannot attend class, please notify me before the start of class: [JNorthup@uri.edu](mailto:JNorthup@uri.edu).

***Course Description***

Theory and practice of crime scene investigation employing the modern techniques of crime scene preservation, crime scene search, and the collection, preservation, and transmission of physical evidence. Emphasis on crime scene guidelines and processing, the photography, development, lifting, and classification of latent fingerprints, and report writing.

***Course Objectives***

**Upon successful completion of this course, each student will be able to:**

- Understand and demonstrate the various concepts of crime scene documentation and forensic evidence collection.
- Properly identify, collect, and process a variety of forensic crime scene evidence.
- Capably explain each procedure and the results in detail to ensure a thorough and complete understanding of the material presented.

***Required Textbooks***

- Crime Scene Photography, 3rd Edition, by Edward Robinson, 2016, Academic Press-Elsevier, Inc. ISBN 13: 978-0-12-802764-6 (for the Hardback)
- Practical Crime Scene Processing and Investigation, 3rd edition, by Ross M. Gardner, 2019, CRC Press. ISBN 13: 978-1138047785 (for the Hardback)
- Fundamentals of Fingerprint Analysis, 2<sup>nd</sup> Edition, by Hilary Moses Daluz, 2021, CRC Press. ISBN 13: 978-0367778743 (for the Hardback)

### ***Required Equipment / Material Requirements***

Photographic equipment is required for every class except where notated. Each student **MUST** have available a tripod and camera equipment that meets the following requirements:

1. SLR (single-lens-reflex) digital camera body with the following features:
  - a. Aperture Priority Mode
  - b. Shutter Priority Mode
  - c. Program or Automatic Mode
  - d. Manual Mode
  - e. Self-timer or Shutter release cord
2. Lenses:
  - a. Wide Angle, Normal, and Telephoto Lenses or a Zoom lens that covers all three areas of focal length (For example, 35-70 mm Zoom Lens).
  - b. An attachment that allows at least 1:1 close-up photography. Examples are a 1:1 screw-on adapter (shot glass) or a 1:1 macro lens: 60 mm or 105 mm (highly recommended)
3. TTL Dedicated Flash with sync cord to allow dedicated TTL flash off camera

### ***Course Format***

## **BPS 101/ Criminal Investigation: Scientific Evidence I, Fall 2023 Course Schedule**

**Camera Equipment is needed for every  
class, unless stated otherwise.**

<b>Week &amp; Date</b>	<b>Topic</b>	<b>Readings, Assignments</b>
<b>1 09/08/23</b>	1. Overview: Forensic Labs and Services 2. Introduction to Prelog 3. Lab Safety & Proper Chemical Handling/SDS, <b>lab safety quiz</b> 4. Basic Evidence Submission 5. Camera Component Assignment <b>Camera/Equipment not needed.</b>	
<b>2 09/15/23</b>	<b>Photography:</b> Introduction to Camera Equipment, Photography with an SLR Camera, Basic Exposure and Exposure Exercise.  <b>Photography:</b> Bracketing, Flash (Manual, Auto & TTL) & Flash Exercise	Gardner (both eds.): Ch. 6 Rob: Ch. 4 & 5  <b>Weekly Quiz</b>
<b>3 09/22/23</b>	<b>Photography:</b> Program Modes, Aperture & Shutter Priority (Depth of Field & Metering, ASA/ISO, aperture & shutter speed), See-Saw Exercise (Motion).  <b>Photography:</b> Digital and Video, Video exercise	Gardner 2 <sup>nd</sup> ed.: pp. 25-44 Gardner 3 <sup>rd</sup> ed. pp. 19-34 Rob.: Ch. 6 & 10  <b>Weekly Quiz</b>

<b>4</b> <b>09/29/23</b>	<p><b>Group 1 (room 28)</b> Forensic Biology Lecture, Introduction to Trace Evidence, Sexual Assaults, ALS.</p> <p><b>Group 2 (room 120)</b> Fingerprint Basics, Part I-History of Identification, Fingerprint Pattern Definitions &amp; Morphology of Friction Ridge.</p> <p>Each group will switch locations at the halfway point of the class</p>	<p>Gardner 2<sup>nd</sup> ed.: pp. 278-296 Gardner 3<sup>rd</sup> ed.: Ch. 11 Robinson: Ch. 7</p> <p>Daluz: Ch. 1-4 <b>Weekly Quiz</b></p>
<b>5</b> <b>10/06/23</b>	<p><b>Group 1 (room 28)</b> 3-D Footwear Impressions, 2-D Footwear Impressions. Outside Labs</p> <p><b>Group 2 (room 120)</b> Fingerprint Basics, Part II-History of Identification, Fingerprint Pattern Definitions &amp; Morphology of Friction Ridge.</p> <p>Each group will switch locations at the halfway point of the class</p>	<p>Robinson: pp. 312-340 Daluz: Ch. 1-4 Gardner 2<sup>nd</sup> ed.: pp. 254-257 Gardner 3<sup>rd</sup> ed.: pp. 207-210</p> <p><b>Weekly Quiz</b></p>
<b>6</b> <b>10/13/23</b>	<p><b>Group 1 (room 120) Crime Scene Guidelines; Part I:</b> Securing Scene, Search Methods, Chain of Custody, Documentation-photo, video, sketch, notes &amp; report writing</p> <p><b>Group 2 (room 28)</b> Hit and Run Lecture + Lab (outside); Accident Photography Lecture + Lab (outside)</p> <p>Each group will switch locations at the halfway point of the class.</p>	<p>Daluz: Ch. 15 Gardner (both eds.): Ch. 1, 3, 4 Robinson: Ch. 3, pp. 96-101 &amp; 566-586</p> <p><b>Weekly Quiz</b></p>
<b>7</b> <b>10/20/23</b>	<p><b>Group 1 (room 120)</b> Crime Scene Guidelines; Part II Group Mock Crime Scene Processing I</p> <p><b>Group 2 (room 28)</b> B&amp;E Lecture + Lab (outside); Tire Impression Lecture; Blue Star Lectures + Lab (inside) + Homework Assignment</p> <p>Each group will switch locations at the halfway point of the class.</p> <p><b>EXAM 1, Information from weeks 1-6, at 5 pm</b></p>	<p>Gardner (both eds.): Ch. 5, 7 &amp; 8 Handouts Gardner: pp. 51-54</p> <p><b>READ Daluz: Chap. 18</b></p>
<b>8</b> <b>10/27/23</b>	<p>Mock Crime Scene Presentations I and crime scene folder Group Mock Crime Scene Processing- II Proper Recording Techniques for Prints/AFIS-LiveScan</p> <p>Fingerprint Basics Cont. Fingerprint Lab: Safety, Dusting for Prints using Black &amp; Magnetic Powders, WetWop</p>	<p>Gardner 2<sup>nd</sup> ed.: pp. 257-278 Gardner 3<sup>rd</sup> ed.: pp. 210-219 Daluz: Chap. 14, Handouts</p> <p><b>Weekly Quiz</b></p>
<b>9</b> <b>11/03/23</b>	<p><b>FALL PHOTO NOTEBOOK DUE</b></p> <p><i>Mock Crime Scene Presentations II and crime scene folder</i> <b>Group Mock Crime Scene Processing- III</b> <b>Fingerprint Lab:</b> Safety, Ninhydrin, Cyanoacrylate</p>	<p>Gardner 2<sup>nd</sup> ed.: 239-253 Gardner 3<sup>rd</sup> ed.: 191-205 Daluz: Chap. 11 &amp; 12 Handouts</p> <p><b>Weekly Quiz</b></p>
<b>10</b> <b>11/10/23</b>	<p><i>Mock Crime Scene Presentations III and crime scene folder</i> <b>Group Mock Crime Scene Processing- IV</b> <b>Fingerprint Lab:</b> Safety, Blood processing, LCV, Hungarian Red, SPR, Amido Black</p>	<p>Daluz: Chap. 13</p> <p><b>Weekly Quiz</b></p>

<b>11</b> <b>11/17/23</b>	<i>Mock Crime Scene Presentations IV and crime scene folder</i> Retrieval of latent prints from human skin <b>Processing for the Individual Final Crime Scene and Goodie Bag</b>	Handouts
<b>11/24/23</b>	<i>Thanksgiving Break, no class</i>	
<b>12</b> <b>12/01/23</b>	<b>Legal:</b> Issues pertaining to crime scene search/evidence collection: RIAG's office  <b>Firearms:</b> Lab Analysis, Shooting Reconstruction, Distance Determination, NIBIN, Gunshot Residue Analysis, Handling, Safety of Firearms & Photography: <b>Painting with Light</b> <b>LP: AFIS</b>	Handouts  Gardner 2 <sup>nd</sup> ed.: 300-305 Gardner 3 <sup>rd</sup> ed.: 255-260 Rob: pp. 347-363.  Daluz: Chap. 7 <b>Weekly Quiz</b>
<b>13</b> <b>12/8/23</b>	<b>EXAM 2, Information from weeks 7-12</b> <b>The exam is not cumulative, except for camera/photography terms and settings which are required for both exams.</b> <i>Individual Presentations: Crime Scene/Goodie Bag</i> <b>Camera/Equipment not needed</b>	

### ***Course Requirements and Assessments***

Quizzes, Crime Scene Folders, Camera Component Exercise, and Video Assignment: 25%  
Photo Notebook: 25%  
Final Individual Practical Presentation: 25%  
Exam 1 and Exam 2: total 25%

Quizzes/assignments/notebooks are due on the date specified. Late work will be graded accordingly.

<b>93-100= A</b>	<b>90-92= A-</b>	<b>87-89= B+</b>	<b>83-86= B</b>	<b>80-82= B-</b>
<b>77-79= C+</b>	<b>73-76= C</b>	<b>70-72= C-</b>	<b>67-69= D+</b>	<b>63-66= D</b>

**ACCOMMODATIONS FOR SPECIAL NEEDS.** “Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 requires the University of Rhode Island to provide academic adjustments or accommodations for students with documented disabilities. The student with a disability shall be responsible for self-identification to the Disability Services for Students in the Office of Student Life, providing appropriate documentation of disability, requesting accommodation promptly, and follow-through regarding accommodations requested.” It is the student’s responsibility to make arrangements for any special needs and the instructor’s responsibility to accommodate them with the assistance of the Office of Disability Services for Students.

**ACADEMIC HONESTY & INTEGRITY.** All submitted work must be your own. Students are expected to be honest in all academic work. A student’s name on any written work, quiz or exam shall be regarded as assurance that the work results from the student’s independent thought and study. If honesty and integrity are compromised, this may fail the course.

**ACADEMIC ENHANCEMENT.** This is a challenging course. Success requires attending class regularly, keeping pace with the work, understanding course concepts, and studying effectively. Students are advised to seek assistance from course instructors or the course coordinator when they need help with concepts and assignments. The work in this course is complex and intensive.

**STANDARDS OF BEHAVIOR.** Students are expected to treat faculty and classmates with dignity and respect. Students are responsible for being familiar with and adhering to the published “Student Code of Conduct,” which can be accessed in the [University Student Handbook \(https://web.uri.edu/studentconduct/student-handbook/\)](https://web.uri.edu/studentconduct/student-handbook/). If you must come in late, please do not disrupt the class. Please turn off all cell phones, pagers, or any electronic devices.

**CLASS ATTENDANCE.** Students are expected to attend all classes and classroom activities. Occasionally, students may miss class activities due to illness, severe weather, or a previously discussed sanctioned event. In the event of severe weather and URI cancels Kingston Campus classes, the final decision to hold class will be decided on the day of class by the Director. Since all classes must be made up, regardless of cancellations, students must attend another day. If the class may be held on the original date all attempts will be made to hold the class on the original day. Students will be notified by email of any changes to the schedule. Also, it is the policy of the University of Rhode Island to accord students, on an individual basis, the opportunity to observe their traditional religious holidays. Students desiring to observe a holiday of special importance must inform each instructor and discuss options for missed classes or examinations. See [Sections 8.51.11 – 8.51.14 of the University Manual](#) for policy regarding the make-up of missed classes or examinations.