Instructor: Alan Price, MA, SCSA  
Faculty, University of Northern Colorado  
Email: Alan.Price@unco.edu  
Phone: 303-710-1547

Invited Guest Lecturers:  
(1) Timothy Huntington, Ph.D. D-BFE, Concordia University  
(2) TBA  
(3) Honorable Marcelo Kopcow, Division 11, 19th Judicial District Court Judge

Class Building & Room: Candelaria Hall, Room 1375

Dates and Times: This Course begins August 12th on Blackboard. Students must complete the Blackboard assignments and exam prior to classroom attendance beginning at 8:00 on August 17th. During this week class will meet from 8:00 am 5:00 pm daily. Students will then have until Wednesday, August 26th to complete their Final Examination on Blackboard.

Prerequisites: CRJ 110 or permission of the instructor

Required Texts: A workshop book and study reference guide will be provided to each student for this course at no additional cost. Reading and studying material will be available for the student to access on Blackboard prior to classroom attendance.

Course Description: This course is a forensic science based course using the incubation cycle of various insects to establish the period of time since death till the time of discovery post-mortem interval (PMI). Students will be able to witness how various taphonomic conditions on a cadaver effect determining the PMI using insects.

Additional Course Description:  
This intense one week course will provide the participants knowledge in the recognition of different insect evidence used to determine the post-mortem interval of a cadaver. This will include the ‘field’ collection of various insects and actual laboratory identification of the various insect species. These experiments will be augmented with lecture material and case presentations for the purpose of determining the time of death, the sequence of events, location of events and post-crime activities. This course is a combination of lecture and hands-on activities which will allow the participants to work individually and in small groups as they acquire the necessary knowledge and skills required of accessing the incubation cycle of various arthropods used in establishing the post-mortem interval.

*It is suggested that each student have a calculator that has basic trigonometry functions. Attendees are welcome to bring cameras to document their work, however, this is not a requirement.*
**Course Objectives:**

1. The participants should acquire a working knowledge of the various developmental cycle of various insects. (Program goal 1, 2, & 4)
2. The participants should have a clear understanding of the developmental cycle of various insects can help in determining the post mortem interval. (Programs goals 6, 7)
3. The participants should know how to use proper collection process of insect species of evidence. (Program goals 1, 6, & 4)
4. The participants should be able to identify and apply critical thinking using ecological theory to forensic entomology. (Program goal 6 & 8)
5. The participants should acquire the ability to recognize and interpret entomological alterations to bloodstain evidence. (Program goal 6 & 8)
6. The participants should be able to use the acquired knowledge and skills in order to correctly interpret establish a crime scene perimeter for the preservation of entomological evidence (Program goals 6 & 8).
7. The participants will acquire the basic knowledge to enable them to be prepared for courtroom presentation of their entomological evidence that was collected and documented. (Program goal 1, 3, 4 & 5)

**Course Content:**

General Insect Biology
Insects of Forensic Importance
The Assessing the significance of various taphonomic conditions that affect forensic entomology
Collection of Entomological Evidence during legal investigations
Estimating the Postmortem Interval
Insect development and Forensic Entomology
The Forensic Entomologist as an Expert Witness
Ecological Theory and Its Application in Forensic Entomology
Entomological Alteration of Bloodstain Evidence

**Class Presentations:**

Students will be expected to submit the written results of their group assignments throughout the week. Each student will also be expected to participate in moot court and to present their insect species displays as an exhibit to the court.

**Extra Credit:**

No extra credit is structured into this class.

**Course Structure:**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Range of hours</th>
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<tbody>
<tr>
<td>Tutorial for reading professional journal articles</td>
<td>2-3</td>
</tr>
<tr>
<td>Reading content specific journal articles</td>
<td>12-18</td>
</tr>
<tr>
<td>Learning the glossary of terms (50-100)</td>
<td>6-8</td>
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<tr>
<td>Pretest in Blackboard covering articles and glossary</td>
<td>4-6</td>
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<tr>
<td>Face to face skills laboratory</td>
<td>40</td>
</tr>
<tr>
<td>Study time for quizzes on days 2,3 and 5</td>
<td>4-6</td>
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<tr>
<td>Study time for midterm day 4</td>
<td>3-5</td>
</tr>
<tr>
<td>Reading summary articles or viewing videos/photo post lab</td>
<td>10-12</td>
</tr>
<tr>
<td>Study time for final examination</td>
<td>12-15</td>
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</table>
Upon the conclusion of the Face-to-face Skills portion of this course students will be provided via Blackboard photographs, internet resources and other materials to critique. These materials may include different bloodstain patterns, direction of travel, assessment of post-crime activities, sequence of events and other physical characteristics of blood. Students must accurately critique and interpret these materials.

Examinations:

Students must complete the Blackboard reading assignments and exam prior to classroom attendance. Students can take the pre-course test posted on Blackboard as many times as necessary to score 100%, however this must be completed prior to the classroom convening on August 17th. The Blackboard pre-classroom exam is part of a student’s total grade. Upon the completion of the week of classroom instruction students will then have until Wednesday, August 21st, to complete their Final examination on Blackboard.

Quizzes:
A daily quiz will be administered on Monday, Tuesday, Thursday and Friday of this course. Quizzes are generally fifteen points in value.

Participation and attendance:
Students cannot afford to miss any portion of this class in order to maintain a passing grade.

Quizzes 15-20 points each
Midterm Exam 50 points
Final Exam 100 points
Written group summary & court exhibit 25 points

Method of Evaluation
This course is letter graded and will follow the grade level breakdown approved by the CJR faculty.

<table>
<thead>
<tr>
<th>Grade</th>
<th>% of Total Points</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100%</td>
</tr>
<tr>
<td>A -</td>
<td>90 - 92%</td>
</tr>
<tr>
<td>B+</td>
<td>88 – 89%</td>
</tr>
<tr>
<td>B</td>
<td>83 - 87%</td>
</tr>
<tr>
<td>B-</td>
<td>80 – 82%</td>
</tr>
<tr>
<td>C+</td>
<td>78 - 79%</td>
</tr>
<tr>
<td>C</td>
<td>70 – 77%</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69%</td>
</tr>
<tr>
<td>F</td>
<td>0 – 59%</td>
</tr>
</tbody>
</table>

Percentages are based on the total accumulated points from the mid-term, final, any quizzes, the submitted paper and individual presentations.

Disability Statement
Students with disabilities: Any student requesting disability accommodation for this class must inform the instructor by giving appropriate notice. Students are encouraged to contact Disability Support Services at (970) 351-2289 to certify documentation of disability and to ensure appropriate accommodations are implemented in a timely manner.
Honor Code
All members of the University of Northern Colorado community are entrusted with the responsibility to uphold and promote five fundamental values: Honesty, Trust, Respect, Fairness, and Responsibility. These core elements foster an atmosphere, inside and outside of the classroom, which serves as a foundation and guides the UNC community's academic, professional, and personal growth. Endorsement of these core elements by students, faculty, staff, administration, and trustees strengthens the integrity and value of our academic climate.

UNC's Policies
UNC's policies and recommendations for academic misconduct will be followed. For additional information, please see the Dean of Student's website, Student Handbook link http://www.unco.edu/dos/pdf/StudentCodeofConduct.pdf

Student Satisfaction Evaluation
Participants will be asked to evaluate the workshop for instructors' knowledge, interest and enthusiasm as well as providing additional information on classes or topics which you would like to see developed as a future offering from UNC.

Portable Electronic Devices
Please extend courtesy to your instructor and fellow students by turning off your portable electronic devices such as: cell phones, pagers, and iPods. Although not an audio issue, text-messaging is a distraction to other students and prevents you from full participation in class. You should keep your portable electronic devices in your backpack or purse during class. Your personal electronic devices should not be on your desks. If you know that you may need to accept an emergency phone call during class or if you have children in childcare or school, please let the instructor know. If you need to take a phone call during class, please step out of the classroom while you complete your call.

Anyone that violates this policy of academic courtesy will be asked to leave the class immediately for the duration of the class. A student discovered to have violated this request will have to submit a one page, type written request to the instructor for permission for re-entry into the course. This paper will be an explanation as to why the discourteous student should be considered for re-entry back into the class. Thank you for your cooperation.

REGISTRATION: You are registering for a credit bearing course and the grade you earn will be recorded on a UNC official transcript. The Office of Extended Studies reserves the right to cancel or reschedule courses based upon enrollment. Enrolled students will be contacted with information of any change.

TUITION: You will be billed by the UNC Bursar's office. Accounts not paid in full by the end of month in which you receive your bill will be assessed a monthly 1.75% finance charge.

WITHDRAWALS AND REFUNDS: In accordance with University and CCHE policy and because of the unique nature of this course, if you drop from this class after August 12th, 2015, you will be legally responsible for payment of full tuition. In order to be eligible to receive any refund of tuition, you must contact the Office of Extended Studies at 1-800-232-1749 to formally withdraw from your class. Your refund, if applicable, will be based on the date of contact with our office. Withdrawals received via telephone during non-business hours will be processed and dated on the next working day. Failure to notify us will result in UNC tuition being owed even though student did not attend or complete the coursework.