Instructor of Record: Alan Price, MA, SCSA-IAI (Ret,) Lecturer, University of Northern Colorado
E-mail: Alan.Price@unco.edu
Phone: 303-710-1547

Dates & Times: May 1, 2019. Classroom face-to-face instruction will be Monday, May 6th thru Friday, May 10th daily from 8:00 am to 5:00 pm. The on-line portion of this course and the Final Exam will be conducted on CANVAS.

Lecture Classroom: Candelaria Hall, Room 1375

Prerequisites: CRJ 110 with a grade of “C” or better or with instructor permission.

Text: A notebook comprised of lecture material from each speaker will be provided at no additional cost to the student.

Guest Lecturers:
1. Jan LeMay, CLPE, CFWE, Timberline Forensics, Colorado
2. Sarah Bohne, CLPE, CFWE, Colorado Springs Police Department, Colorado

Notice
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.

Course Description (catalog):
In an intense format, this course provides the student with a series of lectures and practical exercises in the detection, collection, preservation and forensic analysis of impression evidence, to include, fingerprints and footwear tire impression evidence.

Course Description (long)
This course is taught in an intensive five-day format, the first half of the course to be spent on footwear examination, the second half on friction ridge impression examination. This course provides the student with a series of lectures and practical exercises on topics related to the crime scene detection and collection of a variety of impression type evidence. Numerous types of impressions as well as detection methods will be explored. Instruction will be provided on several collection and preservation techniques, such as fingerprint powder, electrostatic dust lifters, vinyl cling film lifters and gelatin lifters. In addition, chemical processing techniques for blood impression enhancement, such as leuco-crystal violet and Blue Star Forensic®, will be utilized. Students will then learn how to make test impressions from items of footwear and perform comparisons of known footwear to crime scene impressions. They will learn to consider class characteristics, general and specific wear, random accidental characteristics and manufacturing techniques in their analyses. Students will also perform fingerprint comparisons using state of the art CSIpix® Comparator Software, following the scientific methodology used by analysts in modern forensic laboratories.
Course Objectives:
The student will able to:
1. Understand standards created by the Scientific Working Groups (SWG), and the importance of applying standards which are accepted by the relevant scientific community
2. Demonstrate crime scene search techniques for various types of impression evidence
3. Document and preserve impression evidence in various matrixes
4. Understand various footwear manufacturing techniques and how they may influence forensic examinations
5. Create test impressions of footwear outsoles
6. Understanding the comparison method used in friction ridge impression evidence, described by the acronym ACE-V
7. Utilize test impressions when performing comparisons of known footwear to crime scene impressions
8. Appropriately apply the SWGTREAD range of conclusions when conducting forensic footwear comparisons to the analysis to form an opinion
9. Understand the biological uniqueness and persistence of friction ridge skin
10. Understand the factors surrounding deposition of friction ridge impressions to include distortion
11. Understand anatomical origin and orientation of friction ridge impressions using clues observed in ridge flow and creases
12. Understand level 1, 2 and 3 detail and how it is applied in friction ridge impression comparisons
13. Using CSIpix® Comparator Software, perform digital processing techniques on friction ridge impressions
14. Appropriately apply the comparison method in friction ridge comparisons
15. Appropriately apply the SWGFAST conclusions
16. Document and complete finger and palm print comparisons using CSIpix® Comparator Software, annotating data used during the comparison process to reach conclusions

Outline of Course Content:
1. Review of applicable SWGTREAD standards and their application
2. Crime scene searching techniques for impression evidence
3. Impression documentation and collection
4. Chemical enhancement of blood impressions
5. Footwear manufacturing
6. Documentation of known footwear to include test impressions
7. Perform footwear comparisons applying ACE
8. Document conclusions of footwear comparisons
9. Review of applicable SWGFAST standards
10. Fetal development and biological uniqueness of friction ridge skin
11. Fingerprint deposition and distortion
12. Anatomical origin and orientation
13. 3 levels of detail
14. GYRO documentation (Green, Yellow, Red, Orange)
15. Perform finger/palm print comparisons applying ACE
16. Document conclusions of fingerprint comparisons
Course Requirements

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<thead>
<tr>
<th>Assignment</th>
<th>Assignment Details</th>
<th>Points Possible</th>
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<tbody>
<tr>
<td>Pretest</td>
<td>Students must complete the Blackboard reading assignments and score a 100% on the Blackboard pretest prior to the start of the classroom portion of this course on May 13, 2014. Students can take the pretest as many times as necessary to score 100</td>
<td>100</td>
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<tr>
<td>Quizzes</td>
<td>A daily quiz will be administered on Tuesday, Wednesday and Friday of this course. 25 points / 3 quizzes</td>
<td>75</td>
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<td>Midterm Exam</td>
<td>Comprehensive Midterm Exam given on Wednesday during the classroom portion of the course.</td>
<td>50</td>
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<td>Final Examination</td>
<td>After the classroom portion of the class, students will be provided, via Blackboard, images of impressions, Internet resources, and other materials. The Final Examination is an assessment of the student’s skills in accurately analyzing and critiquing the provided materials. Students will have until Wednesday, August 23, 2017 to complete the Final Examination on CANVAS.</td>
<td>100</td>
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<td>Total</td>
<td></td>
<td>325</td>
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**Participation and attendance**
Students cannot afford to miss any portion of this class in order to maintain a passing grade.

**Method of Evaluation**
This course is letter graded and will follow the grade level breakdown approved by the CRJ 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>
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<tr>
<td>A -</td>
<td>90 – 92%</td>
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<tr>
<td>B+</td>
<td>88 – 89%</td>
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<tr>
<td>B</td>
<td>83 – 87%</td>
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<tr>
<td>B-</td>
<td>80 – 82%</td>
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<tr>
<td>C+</td>
<td>78 – 79%</td>
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<tr>
<td>C</td>
<td>70 – 77%</td>
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<tr>
<td>D</td>
<td>60 – 69%</td>
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<tr>
<td>F</td>
<td>0 – 59%</td>
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**Disability Support Services**
Any student requesting disability accommodation for this class must inform the instructor 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 Policies**
UNC’s policies and recommendations for academic misconduct will be followed. For additional information, please see the Student handbook at [http://www.unco.edu/dos/handbook/index.html](http://www.unco.edu/dos/handbook/index.html)

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**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. Thank you for your cooperation.

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-enter 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. This request will be reviewed by three student peers from the same class to consider the request.

Thank you for your cooperation.