CRJ 404 Evidentiary Photography (3 credit hours)  
Spring Break, March, 2015

Instructor of Record: Alan Price, MA, SCSA,  
Lecturer, University of Northern Colorado  
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Phone: 303-710-1547

Dates & Times: This course begins March 11th thru March 15th on Blackboard.  
Students must read two articles and complete the Blackboard  
assignments and exam prior to classroom attendance beginning at  
8:00 am on March 16th – 20th. Class will meet from 8:00- 5:00 pm  
daily. Students will then have until Thursday, March 20th to complete  
their Final examination on Blackboard.

Lecture Classroom: Candelaria Hall, Room 1375

Prerequisites: Instructor permission.

Guest Lecturers:  
1. Chris Duncan, Houston Police Department, Homicide Division, Crime Scene Unit, IAI Certified  
Forensic Photographer, Crime Scene Specialist  
2. George Slack, SCSA, Crime Scene Investigator  
3. Honorable Judge Marcelo Kopcow, 19th Judicial District Court Judge

Required Text: A workshop notebook and study reference guide will be provided to each  
student for this course as part of the cost of tuition. Required supplemental reading  
assignments have has been posted on Blackboard and are expected to be read prior to  
the start of the class.

Course Description  
In an intense format, this course provides the principles of photography and complimentary crime scene  
documentation techniques as applied to criminal investigation using digital photography.

Detailed Course Description  
This intensive course provides the attendee with the principles of photography and complimentary crime  
scene documentation techniques as applied in criminal investigations. The fundamentals of digital will be  
examined, thus providing the student with an understanding of the various principles of photography. This  
course is a combination of lecture and practical crime scene photography exercises. Each attendee will  
perform various photographic assignments and their photographs will be reviewed for quality. Students  
will be required to supplement their photographs with crime scene sketches and appropriate legal  
documentation. Courtroom techniques will be discussed to prepare the student for trial preparation and the  
presentation of their evidence. This course is designed for persons who may be responsible for performing  
photographic duties at crime scenes, autopsies and traffic accidents, and includes college students majoring  
in criminal justice, forensic nurses and police officers.

Course Objectives  
1. Students will learn the mechanics and physics of digital photography. (Program goals 6, 7)  
2. Each attendee will complete a photographic log of evidence as mandated by law for evidence. (Program  
goals 1, 6, 7)  
3. Attendees will complete a crime scene sketch to supplement their photographs of the scene. (Program  
goal 1, 6, 7)
4. After learning the principles of photography, the students will then learn the functional applications of various lighting techniques, depth of field and taking of close-up pictures. (Program goals 3, 6, 7)
5. Students will learn the law as it applies to introducing photographs into court. (Program goals 5, 6, 7)
6. Attendees will be able to take appropriate photos of traffic accidents for both civil litigation and criminal prosecution. (Program goals 5, 6, 7)
7. Students will obtain the skills to appropriately testify in a court of law as to their photographic skills and the content of their photographs. (Program goals 1, 5, 6, 7)

Outline of Course Content
1. Manual workings of digital cameras
2. Maintenance of a photographic log as evidence
3. Basics of crime scene sketching
4. Practicum exercises in photographic depth of field, focus, lighting techniques, close-up photography and nighttime photography
5. Legal foundations for photographic evidence
6. Photographing and documenting an traffic accident scene
7. Photographing and documenting a violent crime scene

Course Requirements

<table>
<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. 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 quiz will be administered on Tuesday, Wednesday, and Friday. 25 points for each quiz</td>
<td>75</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>Comprehensive Midterm Exam given on Thursday during the classroom portion of the course.</td>
<td>50</td>
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<tr>
<td>Individual Student Summary and Crime Scene Photos</td>
<td>Upon the completion of the course, each student will submit a photo log and a chain of custody sheet of their film and pictures. Each student is also required to submit a crime scene sketch that accurately supplements the photographs they have taken.</td>
<td>75</td>
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<tr>
<td>Final Examination</td>
<td>After the classroom portion of the class, students will be provided, via Blackboard, actual crime scene photographs, videos, Internet resources, and other materials. The Final Examination is an assessment of the student’s skills in accurately identifying and critiquing the provided materials. Students will have until Wednesday, following the course to complete the Final Exam.</td>
<td>100</td>
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Total 400

Extra Credit
No extra credit is structured into this class.

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>
</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>
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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

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.

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.

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 March 4th, 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.

Course Daily Schedule

**Monday, March 16, 2015**
8:00 – 8:30 Introduction, class expectations, grading, etc.
8:30 – 9:00 Crime Scene Documentation – complementary nature of the interrelationship between photographs, diagrams, models, video, etc.
9:00 – 9:15 Break
9:15-10:30 Principals of photography as they apply to both film and digital imaging
10:30-10:45 Break
10:45-12:00 Special considerations for digital photography
12:00-1:00 Lunch
1:00-2:15 Introduction to flash photography
2:15-2:30 Break
2:30-4:00 Introduction to crime scene photography: what to photograph at the crime scene
4:00-5:00 Case presentations (2 actual cases illustrating “what to photograph”)

**Tuesday, March 17, 2015**
8:00-8:45 Introduction to Crime Scene Sketching
8:45-9:00 Break
9:00-9:45 Measurement methods
9:45-10:00 Group assignments and travel to Bishop-Lehr
10:00-12:00 Rough crime scene sketches at Bishop-Lehr
12:00-1:00 Lunch
1:00-2:30 Introduction to close-up photography
2:30-2:45 Break
2:45-3:45 Hand-on exercise: close-up photography (serial numbers, VIN, plates, cartridge cases, etc.)
3:45-4:15 Quiz
4:15-5:00 Case presentations

**Wednesday, March 18, 2015**
8:00-8:15 Review Quiz
8:15-9:00 Photographic documentation of wounds and injuries
9:00-9:15 Break
9:15-10:15 Photographic documentation of bloodstains on walls, floors and clothing.
10:15-10:30 Break
10:30-12:00 Hands-on exercise: photographing wounds and bloodstain patterns
12:00-1:00 Lunch
1:00-2:00 Photographic documentation of impression evidence (friction ridge footwear and tire impression evidence)
2:00-2:15 Break
2:15-4:00 Hands-on exercise: photographing friction ridge evidence (plastic, patent and developed latent impressions), photographing footwear impressions and photographing tire track impressions
4:00-5:00 Mid-term Exam

**Thursday, March 19, 2015**
1:00-1:15 Review mid-term exam
1:15-2:00 Photographic documentation of traffic accident scenes
2:00-2:15 Break
2:15-3:00 Photographic documentation of crime scenes involving arson and explosions

3:00-3:15 Break

3:15-4:30 Photographic documentation of crime scenes involving unique evidence (safe burglaries, electronic evidence, etc)

4:30-4:45 Break

4:45-5:30 Specialized flash techniques: night photography and painting with light

5:30-6:00 Quiz

6:00-8:00 Dinner at Old Chicago's

8:00-10:00 Hands-on exercise: outdoor photography after dark (general crime scene photography, traffic accident photography and painting with light)

Friday, March 20, 2015

8:00-8:15 Review Quiz

8:15-10:15 Individual group activities:
- Groups 1-6: Mock Crime Scene Photography
- Groups 7-12: Finish crime scene diagrams
- Groups 13-18: Documenting evidence using alternate light sources
  (Hands-on exercise: using ultraviolet light to document results of Trace Metal Detection Technique evidence)

10:15-12:15 Individual group activities
- Groups 13-18: Mock Crime Scene Photography
- Groups 1-6: Finish crime scene diagrams
- Groups 7-12: Documenting evidence using alternate light sources
  (Hands-on exercise: using ultraviolet light to document results of Trace Metal Detection Technique evidence)

12:15-1:15 Lunch

1:15-3:15 Individual group activities
- Groups 7-12: Mock Crime Scene Photography
- Groups 13-18: Finish crime scene diagrams
- Groups 1-6: Documenting evidence using alternate light sources
  (Hands-on exercise: using ultraviolet light to document results of Trace Metal Detection Technique evidence)

3:15-4:00 Court presentation of documentary evidence: introduction and presentation of diagrams, photographs, models, etc. Digital evidence: enhancement vs. alteration

4:00-4:30 Quiz

4:30-5:00 Review crime scene diagrams and photographs. Present completed scenes to the class.