

IN THE CIRCUIT COURT OF THE STATE OF OREGON

FOR THE COUNTY OF LANE

ELIZABETH DIANE DOWNS

Petitioner,

vs.

STATE OF OREGON

Defendant.

No. 22CV16308

DECLARATION OF MATT NOEDEL

POST-CONVICTION

Declaration of Matthew Noedel - Considerations of Comparisons

Matthew Noedel declares and certifies as follows:

1. I am a forensic scientist and the principal of Noedel Scientific, LLC. I have prior experience and training in the analysis of what is commonly known as forensic firearm and tool mark examination. I am a distinguished member of the Association of Firearm and Tool Mark Examiners and certified in firearm and tool mark analysis by that organization. I have over 38 years of experience as a professional forensic scientist and provide training, consultation and examinations for prosecution and defense attorneys throughout the United States and Internationally. I have testified in numerous courts as an expert and conduct annual proficiency testing in firearm and tool mark analysis. A copy of my curriculum vitae is attached hereto as an exhibit.

2. I was contacted by attorney Venetia Mayhew to consult about the ballistic comparisons conducted in the case known as Oregon v Elizabeth Diane Downs. Copies of the original examination notes, reports and testimony were provided for review.
3. A report issued by James Pex (Department of State Police Crime Detection Laboratory, Eugene, OR) dated June 10, 1983, described numerous ballistic comparison results including:
 - a. Six fired .22 rimfire cartridge cases (ex-3, 4a, 4b, 5, 6a, 6b) microscopically matching each other and fired from the same firearm.
 - b. Two unfired .22 rimfire cartridges (ex-14) microscopically matching as cycled through the same firearm as those listed in “a” above.
 - c. Four fired .22 rimfire bullets (ex-1, 2, 7 and 51) microscopically matching each other and fired through the barrel of the same weapon.
4. No specific notes of the comparison or descriptions of the methods used to acquire these results or the criteria used to draw these conclusions was provided in the documentation regarding the Pex examination of ballistic evidence. Two images of the microscopic comparison are of insufficient quality to determine the amount of agreement. Direct examination of the exhibits would be required to better document any tool mark results considered in this event.
5. The criteria for comparison and identification used by Mr. Pex cannot be deduced from the information provided. There is insufficient documentation of

the comparison process he used, his background and training in comparison science or his threshold for deciding the results.

6. A report issued by John Murdock (consultant in forensic science, Martinez, CA) dated August 19, 1983, described numerous ballistic comparison results including:
 - a. Six fired .22 rimfire cartridge cases (E-3, 4a, 4b, 5, 6a, 6b) microscopically match each other and were fired from the same firearm.
 - b. Two unfired .22 rimfire cartridges (E-14a, b) microscopically matching as cycled through the same firearm as those listed in “a” above.
 - c. Three fired .22 rimfire bullets (E-1, 2, 7) had the same class characteristics but could not establish that they were fired through the same gun barrel to the exclusion of all others.
7. Mr. Murdock reported about the recovered evidence (fired cartridge cases E3,4a, 4b, 5, 6a, and 6b and unfired cartridges 14a and 14b): *“I intercompared these extractor markings and found sufficient agreement to allow me to conclude that all of those marks have been produced by the same extractor. This means that all of these items have been worked mechanically through the action of the same gun.”* This opinion is the same as the opinion offered by Mr. Pex regarding the recovered cartridge cases and cartridges.
8. Mr. Murdock reported about the recovered fired bullets (E-1, 2, and 7) and found *“I inter compared these bullets microscopically and was not able to*

establish that all were fired through the same gun barrel to the exclusion of all others.”

9. Here the Murdock opinion (inconclusive) and the Pex opinion (identified to the same source) differ. This difference is most likely due to the differences in the training and experience obtained by each individual.
10. Detailed notes from the Murdock examination were provided. In the comparison notations recorded, the phrase “*sufficient agreement to establish an identification*” was recorded next to the cartridge case comparisons (specifically as to the extractor marks).
11. This opinion was also reflected in the testimony transcripts from Mr. Murdock where he testified: “*And I found extractor marks on these two unfired cartridges which were found to agree with the extractor marks on the six cartridge cases that I've just described, and the agreement was sufficient to allow me to conclude that the same extractor made the mark on all six cartridge cases and the two unfired cartridges from the tubular magazine of the rifle.*”
12. Ultimately, Mr. Murdock would go on to become the chair of the “Association of Firearm and Tool Mark Examiners (AFTE) Criteria for Identification Committee”. This committee was formed in 1985 with a goal to produce a “theory of identification as it relates to tool marks; consensus on the criteria used for individualization and provide a range of conclusions for tool mark comparison” ^[1]. In this published report, the phrase “sufficient agreement” was defined and the basis for the AFTE theory of identification was adopted. The

AFTE theory for identification remains substantially unchanged from that initial definition.

13. A recent State of Oregon Court of Appeals finding (Oregon v. Odell Tony Adams, October 11, 2023) included the following:

“we conclude that AFTE identification evidence in this case was not helpful to the jury. The subjective nature of the AFTE method, and the related fact that each practitioner has a different rate of error, makes it impossible for the court to “ensure that the persuasive appeal” of the evidence to the jury “is legitimate.” O’Key, 321 Or at 291. We therefore conclude on this record that the state did not carry its burden of showing that the AFTE method is scientifically valid.”

14. The techniques referenced and used by Mr. Murdock in the comparison of evidence in the 1983 examinations of evidence in Oregon v Elizabeth Diane Downs used the same criteria ultimately considered in the Oregon v. Odell Tony Adams case, which all relied on the AFTE theory of identification.

Dated this 30th day of September 2025

A handwritten signature in dark ink, appearing to read 'Matthew Noedel', is written over a horizontal line.

Matthew Noedel

Reference

- [1] Murdock, John et al. "Theory of Identification, Range of Striae Comparison Reports and Modified Glossary Definitions – An AFTE Criteria for Identification Committee Report" AFTE Vol 22 #3, July 1990_22_3_275_Murdock

CURRICULUM VITAE

MATTHEW NOEDEL, FORENSIC SCIENTIST

EDUCATION

University of Montana, Missoula, MT 1985

Bachelor of Science - Microbiology
Bachelor of Science - Medical Technology
Minor in Chemistry

California State University, Sacramento, CA 1987

Bachelor of Science - Forensic Science
30 Quarter units of graduate credit in Criminal Justice with Forensic Emphasis

PROFESSIONAL AFFILIATIONS

American Academy of Forensic Scientists (AAFS)
Regular Member

Association of Crime Scene Reconstruction (ACSR)
Regular Member - February 2000 - present
Board of Directors - February 2005 - 2015
Program Chair - Annual Meeting 2007
Treasurer - February 2007 - February 2012
President - February 2013 - February 2014
Shooting Reconstruction Standardization Committee - 2012 - 2014
Chairman of the Board - February 2014 – February 2015
Recipient – Larry Olson Service Award 2015
ACSR Conference Co-Host – February 2018

Association of Firearm and Tool Mark Examiners (AFTE)
Distinguished Member - 2000 - present
AFTE Journal Editor - 2002 - 2007
Member of the Year - 2009
Nominating Committee - 2009
Assistant Conference Chair - 2010
Conference Workshop Program Coordinator - 2014
Conference Host Committee - 2014

International Association of Bloodstain Pattern Analysts (IABPA)
Regular Member
Ethics Committee - 2009 - present

Northwest Association of Forensic Scientists (NWAFS)
Member at Large - 2005
Program Chair Annual Conference - 2000, 2011
Vice President - 2006
President - 2007, 2010, 2011
Life Member - 2016

CURRICULUM VITAE - MATTHEW NOEDEL

PROFESSIONAL AFFILIATIONS Continued

International Association of Forensic & Security Metrology (IAFSM)

Member – Private Sector

Organization of Scientific Area Committees for Forensic Science (OSAC)

Crime Scene Investigation & Reconstruction Subcommittee (Term: 10/2020 – Present)

CERTIFICATIONS

Certification in Firearms, Tool Marks, and Gunshot Residue Examination

September 2002; Association of Firearm and Tool Mark Examiners (AFTE)

Certification in Crime Scene Reconstruction (Program discontinued certification 1/16/2022)

January 2012 – January 2022; International Association for Identification (IAI)

Certification in Basic Laser Scanning

February 2022; International Association of Forensic and Security Metrology (IAFSM)

EMPLOYMENT

Nov. 7, 2005 – Present

Noedel Scientific LLC

Forensic Consultant

*Forensic Consultation, Reconstruction, Training,
Testimony, Analysis*

Noedel Scientific LLC provides expert forensic analysis in a variety of areas including crime scene reconstruction, firearms examination, bloodstain pattern analysis, and case review. Examinations conducted are prepared with an emphasis on scientific detail for future court presentation.

Apr. 9, 1990 - Nov. 4, 2005

Washington State Patrol Crime Laboratory - Tacoma

Forensic Scientist III

Crime Scene Response, Firearm and Tool Mark Exam,
Bloodstain Pattern Analysis, Chemistry, Trace Evidence

The Washington State Patrol (WSP) Crime Laboratory provides forensic examinations for all of the police, sheriff, and prosecuting attorneys in the state of Washington. Of the services offered by the Tacoma Crime Lab, I worked in Chemistry, Drug Analysis, Fire Debris, Trace Evidence, Crime Scene Response, Bloodstain Pattern Interpretation, Firearms and Tool Mark Analysis. For the WSP crime scene response team, I was a primary responder, a crime scene consultant and trainer/instructor. I received the WSP Forensic Scientist of the Year award in 2000 and participated on the WSP Firearms Review Committee.

April 1987 - April 1990

Chemwest/CompuChem Laboratories

Toxicologist

Forensic Toxicology

I was responsible for the forensic examination of biological samples for the presence of drugs, alcohol, poisons and toxins. Both screening and confirmation for these chemicals was conducted in this high volume laboratory setting.

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED**Tours**

- Nosler Bullet Factory, Bend OR
- CCI/Speer Ammunition Factory, Lewiston ID
- Arnold Arms Specialty Rifle Manufacturer, Arlington WA
- Olympic Arms Pistol and Rifle Manufacturing, Olympia WA
- Alchemy Arms Pistol Manufacturing, Auburn WA
- Ruger Firearms & Investment Casting, CT
- Marlin Rifle Factory
- Savage Arms Factory
- Wilson Arms Barrel Making Facility
- Barnes Bullet Manufacturing
- North American Arms Manufacturing
- Schneider Barrel Manufacturer, Payson AZ
- Ruger Firearms, Prescott AZ
- LAR Firearms, Jordon UT

Factory Authorized Armory Training

Colt	Smith & Wesson	Ruger
Sig Sauer	Glock	Remington
Beretta	Heckler & Koch (MP-5)	Hi-Point

Workshops, Seminars and Courses

- Beeman Air Rifle Workshop
- "Firearms Update – Ruger" 40-hr course; Sacramento Public Safety Center; Sacramento, CA; Completed November 3, 1995
- "Law Enforcement Armorer School - Basic – 40hrs"; Lassen College; Susanville, CA; Completed May 31, 1996
- "Beretta Armorer Training Program" by Beretta USA Corp; July 15-17, 1996
- "Smith and Wesson Armorers School - Pistols" by Smith and Wesson Academy; Salt Lake City, UT; April 15-19, 1996
- ATF Arson and Accelerant Detection
- California Department of Justice Basic Forensic Hair Examination
- Restek Capillary Chromatography Seminar
- Tire Footprint Workshop
- McCrone's Advanced Microscopy
- Crime Scene Photography
- Hewlett Packard Gas Chromatography Inlet Systems
- Infra-red Technology--Bio Rad
- Advanced Crime Scene Response
- Crime Scene Response In Service Training
- Exterior Ballistics and Reloading
- Crime Scene Response-Criminal Justice Training Center
- Characterization of Projectile Performance-Yuma proving Grounds
- ATF Serial Number Restoration

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Workshops, Seminars and Courses continued**

- "Basic Bloodstain Pattern Analysis" 40-hr course by Tom Bevel; Seattle, WA; May 17-21, 1999
- "FBI Gunpowder and Primer Residues School" 40-hr course by Dillon/Rosati; Monroe, WA; August 11-15, 1997
- "IBIS Operator Certification Training" Forensic Technology; Completed August 20, 1997
- "Intro to Drugfire" FBI Drugfire course by Mnemonic Systems; August 25-26, 1997
- "Intro to Digital Imaging" Course; NWAFS Meeting; Portland, OR; May 6, 1998
- "Firearms Presented by ATF" Course; NWAFS Meeting; Portland, OR; May 5, 1998
- "Intro to APMS " FBI Drugfire course by Mnemonic Systems Inc; June 24, 1998
- "Smith and Wesson Armorers School - Pistols" by Smith and Wesson Academy; June 21-24, 1999
- "Identification of Human and Skeletal Remains" 24-hr course by Snohomish County Medical Examiner's Office; Completed March 15, 2000
- "Evidence Evaluation and Reconstruction at Shooting Scenes" Workshop; NWAFS Meeting; Sacramento, CA; May 5, 2000
- "Introduction to Crime Scenes: Firearms Evidence" Workshop; NWAFS Meeting; Sacramento, CA; May 16, 2000
- "Introduction to Crime Scenes: Photos and Sketching" Workshop; NWAFS Meeting; Sacramento, CA; May 16, 2000
- "Introduction to Crime Scene Processing and Reconstruction" 8-hr course; NWAFS Meeting; Sacramento, CA; May 15, 2000
- "Investigation of Occult Crime Scenes" by Lt. Randy Johnson; April 18, 2001
- "Explosion and Bombing Crime Scenes" 12-hr course by James Crippen; NWAFS/Utah Forensic Science Association (UFSA) Joint Meeting; April 19, 2001
- "Advanced Bloodstain Pattern Analysis Workshop" 40-hr course by Toby Wolson, Metropolitan Police Institute; Miami, FL; May 7-11, 2001
- "Washington State Patrol Firearms Instructor Course" June 2001
- "Exterior Ballistics and Long Range Trajectory Workshop" July 2001
- "Crime Scene Reconstruction" 16-hr course by Tom Bevel; NWAFS Meeting; Redmond, OR; September 24-25, 2001
- "Marshall's Reagent and GSR Workshop" April 22, 2002
- "Examination of the Taser's Non Lethal Weapon Character" April 22, 2002
- "Consecutive Manufactured Knife Blade Study" April 22, 2002
- "Black Powder and Black Powder Substitute Analysis" April 23, 2002
- "Ricochet Workshop" by Lucian Haag, NWAFS/California Association for Criminalists (CAC) Joint meeting; Reno, NV; April 7, 2003
- "Colt 1911 Style Pistol Armorer Course" by Vancouver PD Rob Caunt; CAC/NWAFS Joint Meeting; Reno, NV; April 8, 2003
- "Forensic Identification Techniques" 16-hr course; Pacific Northwest Division (PWN)-IAI Conference; Tacoma, WA; May 7-9, 2003
- "Crime Zone Software Tools" NWAFS Meeting; Portland, OR; October 14, 2003
- "Utilization of Crime Zone 7.0" ACSR Conference; Oklahoma City, OK; October 24, 2003

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Workshops, Seminars and Courses continued**

- “Adobe Photoshop Techniques” ACSR Conference; Oklahoma City, OK; October 24, 2003
- “National Integrated Ballistic Information Network (NIBIN) Training” Bureau of Alcohol, Tobacco and Firearms and Forensic Technology, Inc. Completed February 7, 2003
- “Fluorescein Techniques” NWAFS Meeting; Missoula, MT; April 19-21, 2004
- “Basic Bloodstain Pattern Analysis” 40-hr course by Tom Bevel; CJTC Regional Academy; Burien, WA; February 22-26, 2004
- “Putting Power in your Point” ACSR Conference; San Jose, CA; Feb 11, 2005
- “LED/UV Macro Photography” ACSR Conference; San Jose, CA; Feb 11, 2005
- “Winning Extreme Encounters from Street to Court (Investigation of Lethal Force Encounters)” 8-hr course by Dr. Lewinski, Force Science Research Center, Mankato, MN; CJTC Burien, WA; June 10, 2005
- “Investigation of Firearms Misadventures” AFTE Conference; Indianapolis, IN; June 2005
- “Innovative Forensic Techniques” Training from casting material ‘Mikrosil’ inventor Kjell Carlson; Oregon State Police Crime Lab; August 31, 2005
- “Math, Physics and Computers in Advanced Bloodstain Pattern Analysis” Alberta Justice Staff College; Edmonton, Alberta; October 24-28, 2005
- “Beretta 90 Series Pistol Armorer Seminar” AFTE Conference; Springfield, MA; June 28, 2006
- “Life of the Body after Death” Workshop by Elayne Pope; SWAFS/NWAFS Joint Conference; Colorado Springs, CO; November 2006
- “Eagle EDXRF School” Workshop by EDAX; SWAFS/NWAFS Joint Conference; Colorado Springs, CO; November 2006
- “Wound Ballistics Workshop” 16-hr Course by Dr. Patrick Besant - Matthews; AFTE Conference; San Francisco, CA; May 27-28, 2007
- “Intro to Saw and Toolmarks on Bone: A Class Characteristics Approach” Workshop by Dr. Steven Symes; AFTE Conference; San Francisco, CA; May 29, 2007
- “Basics of Firearm Mechanisms” Workshop; AFTE Conference; Honolulu, HA; May 23, 2008
- “Firearm Sound Suppression” 16-hr Course; NWAFS Conference; Boise, ID; November 2008
- “Is it a Bullet Hole?” Workshop; AFTE Conference; Miami, FL; May 31, 2009
- “Conversion Course” Workshop; AFTE Conference; Miami, FL; June 3, 2009
- “BSPA Taxonomy” 2-hr Workshop by Michael Maloney and Ross Gardner; IABPA Conference; Portland, OR; October 6, 2009
- “Courtroom Testimony Techniques” 4-hr Workshop by Jeff Scozzafava and Todd Thorne; IABPA Conference; Portland, OR; October 7, 2009
- “Forensic Ethics” by Peter Barnett, Carolyn Gannett; ACSR Conference; San Diego, CA; February 2010
- “The Basics of Firearms Mechanisms” by Rob Caunt, Vancouver Police Crime Laboratory, NWAFS Meeting; Portland, OR; September 29, 2010

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Workshops, Seminars and Courses continued**

- “Photogrammetry in Post Scene Analysis and Reconstruction Workshop” 3-hr course; ACSR Conference; Jacksonville, FL; February 9, 2011
- “Shooting Incident Reconstruction: 3D Laser Scanning, Uncertainty, and Experimental Setup” 1-day Workshop; AFTE Conference; Buffalo, NY; June 24, 2012
- “Alternate Light Source Utilization” 3.5-hr course; ACSR Conference; Atlanta, GA; February 6, 2013
- “Human Factors in CSR” 3.5-hr course; ACSR Conference; Atlanta, GA; February 6, 2013
- “Wound Ballistics for Firearm Examiners” 8-hr course; AFTE Conference; Albuquerque, NM; June 28, 2013
- “Making Black Powder” 1-day workshop; NWAFS Conference; Vancouver, WA; September 17, 2013
- “Bloodstain Documentation and Collection Methods” 1 1/3-hr Forensic Technology Center of Excellence/RTI International online course; May 19, 2014
- “Shooting Reconstruction: The 4 Elements of Trajectory” 1 ½-hr forensicED online course; RTI International; May 22, 2014
- “The Fluid Dynamics of Bloodstain Pattern Formation” Advanced 40-hr course by Dr. Mark Jermy and Dr. Michael Taylor of New Zealand’s Institute of Environmental Science and Research (ESR); Seattle, WA; June 16-20, 2014
- “3D Laser Scanning for Forensic Scene Mapping” 1-day seminar by PPI Group; Seattle, WA; November 18, 2014
- “False-Positive & False-Negative Error Rates in Cartridges” 1-hr course; Forensic Technology Center of Excellence/RTI Online; March 5, 2015
- “Sam Houston State University Body Farm Tour” 1-day seminar, AFTE Conference; Dallas, TX; May 2015
- “Photographing the Blood Event Scene” 4-hr course; IAI Conference; Sacramento, CA; August 2015
- “Daytime Laser Photography” 2-hr course; IAI Conference; Sacramento, CA; August 2015
- “Buck Knives Factory Tour” 45-min tour; NWAFS Conference; Spokane, WA; September 15, 2015
- “CCI/Speer Tour” 3-hr workshop; NWAFS Conference; Spokane, WA; September 15, 2015
- “High Definition Survey (3-D Laser Scanning) of Crime Scenes: Lessons Learned and What’s Next” 4-hr course; NWAFS Conference; Spokane, WA; Sept. 14, 2015
- “Impact Pattern Analysis & Visualization with Hemospat” ½-day workshop; IABPA Conference; Fort Worth, TX; September 2015
- “Limitations Associated with Bloodstain Pattern Examinations on Fabrics” 3-hr course; ACSR Conference; Clark, NJ; February 9, 2016
- “Shooting Scenes – Staged and Not Staged – Find the Red Flag Indicators” ½ day course; AFTE Conference; New Orleans, LA; June 2, 2016
- “Error and Uncertainty in Bloodstain Pattern Analysis” 1½-hr; RTI/NIJ Forensic Technology Center of Excellence; Online; Feb 28, 2017

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Workshops, Seminars and Courses continued**

- “Leeds 3D Scanning of Deformed Bullets and Cartridge Cases” 2-hr course; AFTE Conference; Denver, CO; May 17, 2017
- “Bullet Trajectory Documentation with 3D Technologies” 1-day course; AFTE Conference; Denver, CO; May 19, 2017
- “Forensic Shooting Incident Reconstruction” 40-hr course; Forensic Science Consultants; Fort Collins, CO; July 24-28, 2017
- “A Close Look at 3D Microscopy for Firearms Identification” 1¼-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; January 10, 2018
- “Glock Pistols Armorer Course” 1-day course; AFTE Conference; Charleston, WV; June 5, 2018
- “Bloodstain Reconstruction” ½-day workshop; IABPA Conference; Ottawa, Ontario; October 3, 2018
- “A Proper Bloodstain Pattern Analysis: From Analysis to Courtroom” ½-day workshop; IABPA Conference; Ottawa, Ontario; October 3, 2018
- Shot Show 2019; Attended two days of convention; Las Vegas, NV; Jan 2019
- “Analysis of Shooting Reconstruction Using Mathematics” 4-hr course; ACSR Conference; Nashville, TN; February 19, 2019
- “Emerging Forensic Research Series: Firearms & Toolmarks Research” 1 ½-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; March 19, 2019
- “Bullet Deflection as a Result of Perforation” 8-hr course; AFTE Conference; Nashville, TN; May 31, 2019
- “Understanding the Four Measurements in Shooting Reconstruction and How to Use Them” – ½ day Workshop; ACSR Conference; Reno, NV; March 3, 2020
- “Examination of Trajectory Rod Mapping Methods” 4-hr Presentation; ACSR Conference; Reno, NV; March 4, 2020
- “Two-Pronged Study of Bullets Fired by Consecutively Rifled Barrels”; 1-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; December 17, 2021
- “The Effect of Time on Rusted Firearm Identification” 1-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; January 9, 2022
- “Exploration of Breech Face Subclass Characteristics” 1-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; January 9, 2022
- “Audio Forensic Analysis Procedures for User Generated Audio Recordings” 1-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; Nov 29, 2022
- “Forensic Double Casting Best Practices” 4-hr course; AFTE Conference; Austin, TX; May 26, 2023
- “LiDAR Technology” 2-hr workshop on 3D technology; ACSR Conference; Lake Conroe, TX; Feb 13, 2024
- “The Terminal Ballistics of Sheet Metal”; AFTE Conference; Anchorage, AK; May 2024
- “Using Objective Criteria for Bloodstain Pattern Classification” 1-hr course; NIJ/RTI Forensic Technology Center of Excellence; Online; September 6, 2024

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Conferences**

- AAFS Annual Meeting; Las Vegas, NV; February 1988
- California Association of Toxicologists (CAT) Meeting; San Diego, CA; Fall 1989
- NWAFS Meeting; Portland, OR; October 1992
- NWAFS Meeting; Spokane, WA; April 1996
- NWAFS Meeting; Missoula, MT; April 1997
- AFTE Annual Conference; Annapolis, MD; July 1997
- NWAFS Meeting; Las Vegas, NV; Fall 1997
- NWAFS Meeting; Portland, OR; May 1998
- NWAFS Meeting; Anchorage, AK; April 1999
- ACSR Annual Conference; Kansas City, MO; September 1999
- NWAFS Meeting; Sacramento, CA; May 2000
- AFTE Annual Conference; St. Louis, MO; June 2000
- NWAFS Meeting; Seattle, WA; Fall 2000
- NWAFS/Utah Forensic Science Association (UFSA) Joint Meeting; Spring 2001
- AFTE Annual Conference; Newport Beach, CA; July 2001
- NWAFS Meeting; Redmond, OR; September 2001
- NWAFS Meeting; Spokane, WA; April 2002
- NWAFS/California Assoc. for Criminalists (CAC) Meeting; Reno, NV; April 2003
- IAI Conference; Tacoma, WA; May 2003
- AFTE Annual Conference; Philadelphia, PA; May 2003
- NWAFS Meeting; Portland, OR; October 2003
- ACSR Annual Conference; Oklahoma City, OK; October 2003
- NWAFS Meeting; Missoula, MT; April 2004
- IABPA Annual Conference; Tucson AZ; October 2004
- IAI/NWAFS Joint Conference; Spokane, WA; May 2005
- AFTE Annual Conference; Indianapolis, IN; June 2005
- ACSR Annual Conference; San Jose, CA; February 2005
- ACSR Annual Conference; Albuquerque, NM; February 2006
- Scientific Working Group for Bloodstain Pattern Analysis (SWGSTAIN) Spring Meeting; FBI Academy; Quantico, VA; April 3-7, 2006
- AFTE Annual Conference; Springfield, MA; June 2006
- NWAFS/Southwest Association of Forensic Scientists (SWAFS) Joint Conference; Colorado Springs, CO; November 2006
- ACSR Annual Conference; Tacoma, WA; January 2007
- AFTE Annual Conference; San Francisco, CA; May 2007
- IABPA Conference; San Antonio, TX; October 2007
- IAI/NWAFS Joint Conference; Salt Lake, UT; November 2007
- ACSR Annual Conference; Tulsa, OK; February 2008
- AFTE Annual Conference; Honolulu, HA; May 2008
- NWAFS Annual Conference; Boise, ID; November 2008
- ACSR Annual Conference; Denver, CO; February 2009
- AFTE Annual Conference; Miami, FL; May 2009
- NWAFS Meeting; Ft. Collins, CO; September 2009

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Conferences continued**

- IABPA Conference; Portland, OR; October 2009
- ACSR Annual Conference; San Diego, CA; February 2010
- AFTE Annual Conference; Henderson, NV; May 2010
- NWAFS Meeting; Portland OR; September 2010
- ACSR Annual Conference; Jacksonville, FL; February 2011
- NWAFS Meeting; Tacoma, WA; September 2011
- ACSR Annual Conference; Monterey, CA; February 2012
- AFTE Annual Conference; Buffalo, NY; June 2012
- NWAFS Meeting; Missoula, MT; September 2012
- ACSR Annual Conference; Atlanta, GA; February 2013
- AFTE Annual Conference; Albuquerque, NM; June 2013
- NWAFS Meeting; Vancouver, WA; September 2013
- ACSR Annual Conference; Montgomery, TX; February 2014
- AFTE Annual Conference; Seattle, WA; May 2014
- ACSR Annual Conference; Oklahoma City, OK; February 2015
- AFTE Annual Conference, Dallas, TX; May 2015
- IAI Conference; Sacramento, CA; August 2015
- NWAFS Conference; Spokane, WA; September 2015
- IABPA Conference; Fort Worth, TX; September 2015
- ACSR Conference; Clark, NJ; February 2016
- AFTE Conference; New Orleans, LA; May/June 2016
- NWAFS Conference; Boise, ID; September 2016
- ACSR Conference; Black Hawk, CO; February 2017
- AFTE Conference; Denver, CO; May 2017
- NWAFS Conference; Portland, OR; September 2017
- IABPA Conference; Redondo, CA; September 2017
- Impression, Pattern and Trace Evidence Symposium 2018; Arlington, VA January 2018
- ACSR Conference; Tacoma, WA; March 2018
- AFTE Conference; Charleston, WV; May/June 2018
- NWAFS Conference; Boise, ID; September 2018
- IABPA Conference; Ottawa, Ontario; Oct 2018
- ACSR Conference; Nashville, TN; Feb 2019
- AFTE Conference; Nashville, TN; May 2019
- PNWD-IAI & NWAFS Conference; Portland, OR; August 2019
- ACSR Conference; Reno, NV; March 2020
- IABPA Conference; Online/Virtual; November 2020
- ACSR Conference; Tulsa, OK; March 2021
- NWAFS Conference; Online/Virtual; September 2021
- IABPA Conference; Online/Virtual; September/October 2021
- IAFSM/ACSR Joint Conference; Westminster, CO; Feb 2022
- AFTE Conference; Atlanta, GA; May 2022
- NWAFS Conference; Portland, OR; September 2022
- ACSR Conference; Carolina Beach, NC; Feb 2023
- AFTE Conference; Austin, TX; May 2023

CURRICULUM VITAE - MATTHEW NOEDEL

SPECIALIZED TRAINING RECEIVED CONTINUED**Conferences continued**

- NSSF SHOT Show 2024; Las Vegas, NV; Jan 25-26, 2024
- ACSR Conference; Lake Conroe, TX; Feb 2024
- AFTE Conference; Anchorage, AK; May 2024
- IAFSM Conference; San Diego, CA; Nov 2024
- ACSR Conference; Boise, ID; Mar 2025
- AFTE Conference; Anaheim, CA; May 2025

PUBLICATIONS/PRESENTATIONS

Technical notes published in Microgram-An International U.S. Department of Justice, Drug Enforcement Administration publication dedicated to reporting trends and topics related to current controlled substance analysis.

"Separation of Isomers of (d/l) Amphetamine and (d/l) Methamphetamine from Urine by GC and GC/MS" Presented at the 29th Annual AAFS Meeting; Las Vegas, NV; February 1988

"Solid Phase Extraction of Morphine and Codeine" Presented at the Fall California Association of Toxicologists (CAT) Meeting; San Diego, CA; 1989

"Variations on Charcoal Strip Exposure for Absorption/Elution Recovery of Flammable Liquids" Presented at the NWAFS Meeting; Portland, OR; October 1992

"Understanding Your Mass Spectrometer" Published in 'Crime Scene—A Quarterly Newsletter of the NWAFS'; Volume 21 Number 3 p. 9, 1995

"Uses and Implementation of the Caswell Indoor Firing Range for Forensic Purposes – Firearms Round Table" Presented at the NWAFS Meeting; Spokane, WA; April 1996

"Drop Testing a .45 Auto Colt 1911" Published in 'AFTE Journal'; Volume 29 Number 2 p. 183, Spring 1997

"Persistence of Gunshot Residue on Clothing" Presented at the NWAFS Meeting; Missoula, MT; April 1997

"Velocity Drop During the Depletion of CO2 Cartridges in a Pellet Pistol" Presented at the NWAFS Meeting; Las Vegas, NV; Fall 1997

"Velocity Drop During the Depletion of CO2 Cartridges in a Pellet Pistol" Published in 'AFTE Journal'; Volume 30 Number 3 p. 435, Summer 1998

"Slam Firing Calico M-100/M-100P Firearms" Published in 'AFTE Journal'; Volume 30 Number 3 p. 527, Summer 1998

"Lead Patterns Observed in Ricochets" Presented at the NWAFS Meeting; Anchorage, AK; April 1999

CURRICULUM VITAE - MATTHEW NOEDEL

PUBLICATIONS/PRESENTATIONS CONTINUED

"An Unusual Jennings By Bryco Model 59" Published in 'AFTE Journal'; Volume 31 Number 2 p. 147, Summer 1999

"Tap Rack No Bang" Presented at the NWAFS Meeting; Sacramento, CA; May 2000

"Examination of Unusual .22 Caliber Ammunition" Presented at the AFTE Annual Conference; St. Louis, MO; June 2000

"Examination of 12 Gauge Flare Guns" Presented at the AFTE Annual Conference; Newport Beach, CA; July 11, 2001

"Detection of Gunshot Residues on Secondary Surfaces" Presented at the NWAFS Meeting; Spokane, WA; April 25, 2002

"An Interesting Shotgun Pattern Reconstruction" Presented at the ACSR Annual Conference (Last Piece Society); Oklahoma City, OK; October 23, 2003

"Tool Marks in Bone—Evaluation of a "Sawzall" Presented at the NWAFS Meeting; Missoula, MT; April, 2004

"Evaluation of Non-Replenishing Blood Drip Trails" Presented at the IABPA Annual Conference; Tucson AZ; October 2004 (Second presentation at the request of the Scientific Working Group for Bloodstain Pattern Analysis; April 4, 2005)

"Bloodstain Pattern Analysis" Presented at the 12th Annual Criminal Justice Institute Seminar; Seattle, WA; September 9, 2005

"Shabazz v Shabazz-An Interesting Shooting Reconstruction" Presented at the ACSR Annual Conference (Last Piece Society); Albuquerque, NM; February, 2006

"The Influence of Intermediate Objects Positioned Close to the Muzzle of a Firearm" Presented at the AFTE Annual Conference; Springfield, MA; June, 2006

"Microscopic Examination of Hair Damaged by the Passage of a Fired Bullet" Co - presented at the ACSR Annual Conference; Tacoma, WA; January 22, 2007

"Using Adobe Photoshop Tools for Bloodstain Documentation" Presented at the IABPA Conference; San Antonio, Texas; October 4, 2007

"Exploring the CSI Effect" Presented for the "Inn at the Court" (a training conference for a collection of judges and attorneys); Tacoma, WA; February 9, 2009

"Life of a Bullet" Presented at the Seventh Annual Violent Crimes Investigators' Regional Training Conference; Seattle WA; November 5, 2009

"Practical Crime Scene Analysis and Reconstruction" Gardner, RM; Bevel, Tom. Contributing Author – Chapter 7 – Shooting Scene Processing and Reconstruction CRC Press, Published July 2009

CURRICULUM VITAE - MATTHEW NOEDEL

PUBLICATIONS/PRESENTATIONS CONTINUED

"Shooting Scenes - What You Don't Know Can Hurt You" A Continuing Legal Education training session at the Snohomish County Public Defenders Association; Everett, WA; May 11, 2010

"Exploring the Limit of Gunpowder Particle Quantity for Distance Determination" Presented at the Technical Session of the NWAFS Meeting; Portland OR; October 1, 2010

"Fired Bullet Impact Site Evaluation: Tumbling Bullet versus Angled Shot" Presentation outlining how to evaluate bullet impact sites in context to a crime scene processing and reconstruction. NWAFS Meeting; Tacoma, WA; September 2011

"Examination of Bullet Defects from Test Fires Through Fabric" Noedel, Matthew; Cwiklik, Chesterene; Haakenstad; Lisa. Crime Scene, Volume 38 (Issue 2): pages 40-45 Spring, 2012

"Exploring the Limit of Gunpowder Particle Quantity for Distance Determination" presented at the AFTE Annual Conference; Buffalo, NY; June 26, 2012

Keynote Speaker: "Matthew Noedel Presents: Tales from the Private Side of Forensic Firearms Examination and Crime Scene Reconstruction" This keynote presentation discussed various experiences in working as a private forensic examiner in the current climate of forensic analysis. NWAFS Meeting; Vancouver, WA; September 18, 2013

"Review of the NWAFS Research Workshop: An Examination of Bullet Impacts to Concrete Surfaces" NWAFS Conference; Vancouver, WA; September 19, 2013

Panel Member: "CSR Officer Involved Shooting Discussion" ACSR Conference; Clark, NJ; February 11, 2016

"Evolution of Crime Scene Reconstruction" 23rd Annual Criminal Justice Institute Seminar; Burien, WA; September 23, 2016

"Special Research Workshop: Stability of Fired Cartridge Case Locations in Shooting Scenes" Presentation on results of the special research workshop conducted. NWAFS Conference; Portland, OR; September 21, 2017

"Anatomy of a Firearms Examination" Presentation at Benton County Public Defenders CLE Seminar (Skype); April 20, 2018

"Special Research Workshop: Extraction Failures from Poorly Supported Semiautomatic Pistols" Presentation on results of the special research workshop conducted. NWAFS Conference; Boise, ID; September 21, 2018

"Secondary Movement of Fired Cartridge Cases" Presentation on experiments conducted on secondary movement of cartridge cases when run over by automobile tires. AFTE Conference; Nashville, TN; May 27, 2019

CURRICULUM VITAE - MATTHEW NOEDEL

PUBLICATIONS/PRESENTATIONS CONTINUED

"Interesting Observations from Shooting Incident Reconstruction" Presentation. ACSR Conference; Reno, NV; March 2020

"Evaluation of the Sounds of Gunshots Captured on Doorbell Cameras and Other Devices" Present preliminary results on workshop evaluating sound of gunshots from different calibers, captured on ring camera/cell phone audio. NWAFS Conference; Portland, OR; Sept 29, 2022

"The Use of 3D Scanning for Cartridge Case Ejection Patterns" Presentation. IAFSM/ACSR Joint Conference; Boulder, CO; Feb 17, 2022

"Radial Fracture Generation from Gunshots into Tempered Glass & Timing Gunshots in Conjunction with Audio Recorded Gunfire" Presentation. ACSR Conference; Carolina Beach, NC; Feb 28, 2023

"Best Practices: Crime Scene Investigation" Presentation. 2024 Eastern Idaho Symposium for Prosecutors and Law Enforcement; Idaho Falls, ID; Oct 3, 2024

"Liscio Photography Symposium" Presentation. Online. Jan 20, 2025

"I've Got a Couple of Dead Bodies Here" Co-Presenter; Presentation; ACSR Conference; Boise, ID; Mar 17, 2025.

"Basic Forensic Firearm Evaluations (What to Consider in Firearm Cases)" Presentation. 2025 Oregon Criminal Defense Lawyers Association Annual Conference; Bend, OR; June 12, 2025

"Understanding the Ballistic Tool Mark Examination (The Science of Comparison)" Presentation. 2025 Oregon Criminal Defense Lawyers Association Annual Conference; Bend, OR; June 13, 2025

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR**Training Conducted for Professional Affiliations and Employers**

"Full Auto Armory and Workshop" NWAFS Meeting; Seattle, WA; Fall 2000

"Forensic Black Powder Workshop" NWAFS Meeting; Spokane, WA; April 23, 2002

"Firearms in the Forensic Environment" IAI Conference; Tacoma, WA; May 7, 2003

"Semiautomatic Firearm Ejection Patterns" A 1-day workshop involving ejection patterns; NWAFS Meeting; Portland, OR; October 15, 2003

"Special Topics for Crime Scene Examination" Joint IAI/NWAFS Conference; Spokane, WA; May 18, 2005

"Trajectory Documentation Using a 360 Degree Scale" A ½ course on documenting trajectories; WSP Crime Lab Crime Scene Response Team; Tacoma, WA; July 27, 2005

"Understanding and Exploring Gunshot Residue" Two ½ day sessions involving lecture and practical examinations pertaining to GSR; ACSR Annual Conference; Tacoma, WA; January 23, 2007

"Using Lasers to Document Bullet Trajectories" Two ½ day sessions at the ACSR Annual Conference; Denver, CO; February 2009

"Preparing Reports for Shooting Crime Scenes" Two ½ day sessions at the ACSR Annual Conference; Denver, CO; February 2009

"Examination of Vehicles for Shooting Reconstruction" A 1-day workshop; NWAFS Meeting; Ft. Collins, CO; September 22, 2009

"Semiautomatic Firearm Ejection Patterns" Two ½ day sessions at the ACSR Annual Conference; San Diego, CA; February 11, 2010

"Forensic Aspects of Airsoft Replica Arms" A 1-day workshop covering the design, construction, forensic examination and importance of airsoft firearms in forensic applications. NWAFS Meeting; Portland, OR; September 29, 2010

"Omni-Car: Crime Scene Processing" Co-instructor - A 1-day workshop involving techniques to process automobiles for trajectory, bloodstains, bullet documentation and recovery, shoe print, DNA considerations and overall vehicle processing. NWAFS Meeting; Tacoma, WA; September 2011

"Special Research Workshop #2: Characterizing Bullet Damage in Clothing" Mentor - A 1-day research workshop involving the performance of various caliber and design of fired bullets through a variety of clothing items. NWAFS Meeting; Tacoma, WA; Sept 2011

"Techniques for Successful Presentations with PowerPoint™" Co-instructor for a workshop involving techniques to organize, present and enhance digital material for presentation in court or at professional settings. NWAFS Meeting; Tacoma, WA; September 2011

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR CONTINUED**Training Conducted for Professional Affiliations and Employers continued**

"Trajectory Documentation" A 3-day class involving the proper evaluation, documentation and processing of fired bullet paths and determining horizontal and vertical trajectory values in simulated building material and vehicles. Washoe County Sheriff Office FIS Section; Reno NV; October 2011

"Terminal Ballistics: Bullet Performance in Tissue Simulant" A 4-hour course involving the theory and practical performance of various fired bullets. Lecture and live fire demonstrations of hollow-point bullet performance fired directly into ballistic gelatin, animal (beef) ribs, and through intermediate targets. ACSR Annual Conference; Monterey, CA; February, 2012

"Temperature of Ejected Cartridge Cases" Mentor - A 1-day research workshop involving attempts to evaluate the absolute temperature of cartridge cases at the moment they are ejected from a semiautomatic firearm. NWAFS Meeting; Missoula, MT; Sept. 23, 2012

"Long Range Ballistics" A ½ day workshop involving the theory of long range bullet flight, using various computer programs to determine long range flight properties of fired bullets, considering drag and ballistic coefficient for projectiles. NWAFS Meeting; Missoula, MT; September 25, 2012

"Ricochet and Impact to Concrete Surfaces" Mentor - A 1-day research workshop on the performance of projectiles and the resultant properties of bullets fired into painted concrete surfaces. NWAFS Meeting; Vancouver, WA; September 16, 2013

"Shooting Incident Reconstruction – Shotgun Pattern Reconstruction" A ½ day course involving shotgun pattern reconstruction. ACSR Meeting; Montgomery, TX; February 12, 2014

"Practical Considerations of Ammunition Reloading" A 1-day course including a lecture on reloading and hands on reloading and shooting reloaded cartridges. Cartridges reloaded during the course were test fired for velocity and the data collected and compared to factory loaded cartridges. AFTE Conference; Seattle, WA; May 11, 2014

"Make and Shoot Black Powder" Co-Instructor - A 1-day workshop covering the basics of black powder production and manufacture. Very small batches of black powder were manufactured and then loaded and test fired at a firing range. A chronograph measured the reproducibility and characteristics of the black powder loads generated. AFTE Conference; Seattle, WA; May 16, 2014

"Projectile Deflection Caused by Intermediate Targets" Co-Instructor - A 4-hour course examining the influence of intermediate barriers to bullet paths. ACSR Annual Conference; Oklahoma City; OK February 2015

"Projectile Deflection Caused by Intermediate Targets" Co-Instructor - A 4-hour course examining the influence of intermediate barriers to bullet paths. AFTE Annual Conference; Dallas, TX; May 2015

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR CONTINUED**Training Conducted for Professional Affiliations and Employers continued**

"Cook County Public Defender's Office Ballistic Training" – A 1-day course covering firearm related topics of interest of the Public Defender's Office. Cook County, IL; Aug, 2015

"Ammunition, Cartridges and Components" Co-Instructor - A ½ day course including examination, disassembly and evaluation of firearm components and exotic contemporary ammunition. ACSR Conference; Clark, NJ; February 11, 2016

"Fired Bullet Performance in Wood" Co-Instructor – A 1-day course examining bullet performance after impacting various wooden structures. AFTE Conference; New Orleans, LA; May 29, 2016

"Documenting Bullet Paths" Instructor – ½ day course demonstrating proper techniques in bullet path determination. NWAFS Conference; Boise, ID; September 26, 2016

"Special Research Topic: Trajectory Measurements" – Assisted with 1-day course comparing traditional hand measurements for trajectories against 3D laser scanning. NWAFS Conference; Boise, ID; September 27, 2016

"Bullet Path Analysis Without Rods" A ½ day course involving bullet path analysis without rods (two sessions). ACSR Conference; Black Hawk, CO; February 2, 2017

"Forensic Examination of Airsoft Replica Arms" Co-Instructor; A ½ day course reviewing the history, use, development and design features of Airsoft style guns. AFTE Conference; Denver, CO; May 16, 2017

"Special Research Workshop: Stability of Fired Cartridge Case Locations in Shooting Scenes" Mentor - A 1-day research workshop to examine how stable a fired cartridge case is in an environment once it has landed. NWAFS Meeting; Portland, OR; September 2017

"Bullet Holes in Clothing: Evaluation and Documentation" Instructor; A ½ day course demonstrating how to locate, identify and document the passage of a fired bullet through clothing and other common articles. ACSR Conference; Tacoma, WA; March 2018

"Understanding the Math of Bullet Path Analysis" Instructor; A ½ day course focusing on trigonometric formulas to document and solve horizontal/vertical aspects of bullet path analysis. AFTE Conference; Charleston, WA; June 3, 2018

"Special Research Workshop: Extraction Failures from Poorly Supported Semiautomatic Pistols" Mentor – A 1-day research workshop to explore methods to initiate semiautomatic jams and qualify when and how incomplete cycling occurs. NWAFS Conference; Boise, ID; September 18, 2018

"Projectile Impact Evaluation" Instructor; A 4-hr course evaluating projectile performance. ACSR Conference; Nashville, TN; February 19, 2019

"Understanding the Math of Bullet Path Analysis" Instructor; A ½ day course focusing on trigonometric formulas related to bullet path analysis. AFTE Conference; Nashville, TN; May 26, 2019

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR CONTINUED**Training Conducted for Professional Affiliations and Employers continued**

"Ejection Pattern Examination Revisited" Instructor; A 1-day research workshop on how to document ejection pattern observations and how to apply those observations in casework. PNWD – IAI & NWAFS Conference; Portland, OR; August 27, 2019

"Class Characteristics in Shooting Scene Reconstruction" Instructor; A ½ day course involving hands-on examination of firearm related materials to assist with on-scene evaluation of evidence. PNWD – IAI & NWAFS Conference; Portland, OR; August 28, 2019

"Gunshot Residue Examinations: Unique Perspectives" Instructor; A ½ day workshop using live fire demonstrations to conduct a deeper consideration of gunshot residue muzzle to target distance examinations. ACSR Conference; Tulsa, OK; March 2, 2021

"Bullet Impact Examination" Co-Instructor; A ½ day workshop examining bullet impacts. PNWDIAI Conference; Bend, OR; June 22, 2022

"Use of Casting Material (AccuTrans) for Tool Mark Preservation in Crime Scenes" Co-Instructor; A ½ day workshop demonstrating the use of casting material. PNWDIAI Conference; Bend, OR; June 22, 2022

"Evaluation of the Sounds of Gunshots Captured on Doorbell Cameras and Other Devices" Co-Instructor; 1 day workshop focused on evaluating sound of gunshots from different calibers, captured on ring camera/cell phone audio. NWAFS Conference; Portland, OR; Sept 27, 2022

"Sound and Cadence of Gunfire" 1 day workshop focused on how audio record of gunfire can be evaluated and determine limits and abilities of such examinations. ACSR Conference; Boise, ID; March 19, 2025

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR CONTINUED**Shooting Scene Reconstruction Courses Conducted**

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Olympia Police Department, Olympia, WA; July 24-28, 2006

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Seattle Police Department, Seattle, WA; December 19-23, 2006

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Olympia Police Department, Olympia, WA; November 26-30, 2007

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Norman Police Department, Norman OK; December 5-9, 2008

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Tacoma Police Department, Tacoma, WA; July 2009

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Olympia Police Department, Olympia, WA; April 2010

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Spokane County Sheriff's Office/Spokane Police Department, Spokane, WA; April 2011

"Shooting Scene Reconstruction" A 3-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Michigan State Police, Frankenmuth, MI; October 2012

"Shooting Scene Reconstruction" A 3-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing. Michigan State Police, Frankenmuth, MI; September 9-11, 2013

"Processing and Reconstructing Shooting Crime Scenes" A 40-hour course on crime scene processing in shooting incidents; Kent Police Department, Kent, WA; May 2015

"Shooting Incident Scene Reconstruction" A 3-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; King County Sheriff's Department; Kent, WA; October 2015

"Processing and Reconstructing Shooting and Officer Involved Scenes" A 5-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Houston Forensic Science Center; Houston TX; June 2016

CURRICULUM VITAE - MATTHEW NOEDEL

INSTRUCTOR CONTINUED**Shooting Scene Reconstruction Courses Conducted continued**

“Processing and Reconstructing Shooting Scenes” A 5-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Ada County Sheriff's Department; Boise, ID; June 2018

“Shooting Incident Scene Reconstruction” A 5-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Washoe County Sheriff's Office; Reno, NV; October 2018

“Techniques for Shooting Incident Reconstruction” A 2-day course (2 sessions) involving solving bullet path analysis with mathematics and traditional techniques; London Metro Forensic Office; London, England; February 3-4, 6-7, 2020

“Processing and Reconstructing Shooting Scenes” A 5-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Montgomery County Sheriff's Office; Conroe, TX; January 2021

“Advanced Trajectory Analysis and Shooting Incident Reconstruction” Co-Instructor. A 5-day course involving ammunition, trajectory and vehicle damage assessment in shooting scene processing; Fontana PD; Fontana, CA March 2025

SPECIALTY CONTRACTS**Washington State Patrol**

- Firearms Case Review: March 2007 – April 2007
- Firearms Analysis: December 2007 – December 2008

Las Vegas Metropolitan Police Department Crime Lab

- Firearms Analysis and Firearms Examiner Trainer: March 2007 – February 2011

Washoe County Sheriff's Office Forensic Science Division

- Firearms Analysis and Firearms Examiner Trainer: December 2010 – November 2014; January 2015 – March 2015

Independent Commission of Investigations (INDECOM) Jamaica

- Shooting Scene Reconstruction and Training, Firearms Analysis and Firearms Analysis Training: July 2012 – January 2021, January 2023-December 2023, May 2024-April 2025

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS**

The following testimonies and depositions were presented in various courts since 2005:	
2/2005 Testimony	State of WA v Jerry Bartlett Jones
Snohomish County Superior Court	Criminal - Prosecution
Homicide	Crime scene reconstruction
5/2005 Testimony	State of WA v Trollers Takbar Fleming
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Homicide	Trajectory, bloodstain patterns and shooting reconstruction
9/2005 Testimony	State of WA v Dwight C. Feeser
Grays Harbor County Superior Court	Criminal - Prosecution
Homicide	Trajectory and distance determination
12/12/05, 12/14/05 Testimony	State of WA v William Joice
King County Superior Court	Criminal – Prosecution Seattle, WA
Attempted Murder 1st degree	Shooting reconstruction (trajectory and bloodstain pattern examination)
2/13/06 Testimony	State of WA v Paul Nunn
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Assault/Attempted Robbery	
3/1/06 Testimony	State of WA v Mario Sanchez
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Manslaughter	
3/27/06 Testimony	State of WA v Roberta Elmore
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Murder	
5/1/06 Testimony	State of MN v Larry Clark
Ramsey County Superior Court	Criminal - Defense St. Paul, MN
Conspiracy to Commit Murder	1970 Officer Involved shooting
6/6/06 Deposition	State of WA v John Morimoto
King County Superior Court	Criminal – Prosecution Seattle, WA
Homicide	

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

6/12/06 Testimony	State of WA v Schreiber
Clark County Superior Court	Criminal - Prosecution Vancouver, WA
7/10/06, 7/11/06 Testimony	State of WA v Benjamin Asaeli et al
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Murder/Assault	Examination of fired bullets and gunshot residues on clothing
8/7/06 Testimony	State of WA v Pearson
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
10/24/06 Deposition	State of WA v Tony Smith
King County Superior Court	Criminal – Prosecution Seattle, WA
Triple Homicide	
2/6/07 Testimony	State of WA v Nathan Brightman
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
Murder	
3/15/07 Testimony	State of WA v Anthony Holloway
King County Superior Court	Criminal – Prosecution Seattle, WA
4/9/07 Deposition	State of WA v Tony Smith
King County Superior Court	Criminal – Prosecution Seattle, WA
Triple Homicide	
5/23/07, 5/24/07 Testimony	State of WA v John Morimoto
King County Superior Court	Criminal – Prosecution Seattle, WA
Homicide	
6/7/07 Testimony	State of WA v Tony Rem
King County Superior Court	Criminal – Prosecution Seattle, WA
6/8/07 Deposition	Margo Lloyd v Valley Forge Life Insurance
US District Court of WA, Western District	Civil - Defense Seattle, WA
6/11/07 Testimony	State of WA v Belz
Thurston County Juvenile Court	Criminal - Prosecution Olympia, WA
	Accidental versus unintentional discharge (drop testing)
10/30/07 Testimony	State of WA v Matthew Moi
11/1/07 Testimony (via Phone)	
King County Superior Court	Criminal – Prosecution Seattle, WA

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

11/7/07 Testimony	State of WA v Hunter
Pierce County Superior Court	Criminal - Prosecution Tacoma, WA
12/10/07, 12/11/07 Testimony	State of NV v Hartzog
	Criminal – Prosecution Las Vegas, NV
2/11/08 Deposition (Phone)	Culosi v Fairfax County VA et al
	Civil - Defense
5/5/08 Testimony	State of WA v Tony Smith
King County Superior Court	Criminal – Prosecution Seattle, WA
Triple Homicide	
5/8/08 Testimony	State of NV v Victor Anthony Ramos
Clark County Superior Court	Criminal - Prosecution Las Vegas, NV
Attempted Murder	
6/10/08, 6/11/08 Testimony	State of NV v Frank Macias
Clark County Superior Court	Criminal - Prosecution Las Vegas, NV
Attempted Murder/Robbery	
7/2/08 Deposition	Veronica Keith v Donald/Barbara Skewis
Thurston County Superior Court	Civil - Defense
7/10/08 Testimony	Veronica Keith v Donald/Barbara Skewis
Thurston County Superior Court	Civil - Defense
10/21/08 Testimony	State of WA v Fortier, Bryce D.
Snohomish County Superior Court	Criminal – Prosecution Everett, WA
	GSR on white coat
11/7/08 Testimony	State of WA v O'Reilly
Snohomish County Superior Court	Criminal - Defense Snohomish County, WA
Officer Involved Shooting	Reconstruction
5/22/09 Testimony	State of WA v Roy Rogers Clark
Columbia County Superior Court	Criminal - Defense Walla Walla, WA
Officer Involved Shooting	Reconstruction
10/1/09 Testimony	State of KS v Kimberly Hudson
District 5 Judge S. R. Tatum	Civil - Defense Olathe, KS
Officer Involved Shooting	

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

11/3/09, 11/4/09 Testimony	State of CA v Threats
San Diego Superior Court – North County	Criminal – Defense San Diego, CA
Homicide (Death Penalty Case)	Tool Mark case
11/19/09 Testimony	State of WA v Besabe
King County Superior Court	Criminal - Prosecution Seattle, WA
Homicide	Firearm/Shooting reconstruction
12/17/09 Testimony	State of WA v Matthew Hedgcoth
Snohomish County Superior Court	Criminal – Defense Everett, WA
Homicide	Reconstruction/Bloodstain pattern exam
2/2/10 Testimony	State of AL v Benjamin
Houston County Superior Court	Criminal - Defense Dothan, AL
Homicide (Death Penalty Case)	Shooting reconstruction and distance determination
3/10/10 Testimony (Pre-Trial Motions)	State of WA v Steele
Pierce County Superior Court	Criminal - Defense Tacoma, WA
	Trajectory analysis and documentation
3/23/10 Testimony	State of WA v Steele
Pierce County Superior Court	Criminal - Defense Tacoma, WA
	Trajectory analysis and documentation
3/31/10 Testimony	State of WA v Weens
King County Superior Court	Criminal - Defense Seattle, WA
Robbery/FA Enhancement	Firearm operability and recognition
5/10/10 Testimony	State of WA v Steele
Pierce County Superior Court	Criminal - Defense Tacoma, WA
	Trajectory analysis and documentation
6/15/10 Testimony	State of NV v Carvell Roots
Clark County Superior Court	Criminal - Prosecution
Attempted Murder	Firearm exam and comparison
8/26/10 Testimony	State of WA v Moore
King County Superior Court	Criminal – Defense Seattle, WA
Assault	Case/firearm properties
2/22/11 Testimony	Sieloff v Overson et al
District Court #S35	Civil - Defense Salt Lake City, Utah
	Reconstruction of a long range fired bullet trajectory

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

5/30/11, 5/31/11 Testimony (Video)	Western Australia v Mikhail
	Criminal – Defense Australia
Double Homicide	Examination of shotgun components and scene reconstruction
6/2/11 Testimony	State of TX v Charles Payne
Superior Court	Criminal - Defense Dallas, TX
Officer Involved Shooting	
6/21/11 Grand Jury Testimony	
	Criminal - Prosecution Las Vegas, NV
	Forensic firearms examinations conducted at the Las Vegas Metro Crime Lab
10/7/11 Deposition	Kitsap County v Kitsap Rifle and Revolver Club
Pierce County Superior Court, Dept 14	Civil - Defense
	Reconstruction of long range trajectories in relation to the Kitsap Rifle Club
10/26/11, 10/27/11 Testimony	Kitsap County v Kitsap Rifle and Revolver Club
Pierce County Superior Court, Dept 14	Civil - Defense
	Reconstruction of long range trajectories in relation to the Kitsap Rifle Club
11/22/11 Testimony	State of WA v Rance Cox
Superior Court Judge Grant	Criminal - Prosecution Tacoma, WA
Drug Offense	Re-trial 1992 era examination of Cocaine
1/6/12 Deposition	William Ostling et al v City of Bainbridge Island et al
Federal-United States District Court Western Washington-Judge Leighton	Civil - Plaintiff
Officer Involved Shooting	Case involving officer delivering shots through a door resulting in death to the person inside
3/8/12 Testimony (phone)	State of NV v McFarland and Hill
Elko County Court	Criminal - Prosecution Elko, NV
Homicide	No gun-fired bullet exam
5/7/12 Testimony	State of WA v Joshua D. Monson
Snohomish County Superior Court	Criminal - Defense
Homicide	Defense consultation reference bloodstain patterns and shooting reconstruction single shot to victim in apartment

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

5/14/12, 5/15/12 Testimony	Jeremiah D. O'Sullivan v Bruce Gosnell
Circuit Court State of Oregon	Civil - Plaintiff Linn County, Albany, OR
Wrongful Death	Wrongful death from homeowner shooting through a window at victim
5/18/12, 5/21/12 Testimony	William Ostling et al v City of Bainbridge Island et al
Federal-United States District Court Western Washington-Judge Leighton	Civil - Plaintiff
Officer Involved Shooting	Case involving officer delivering shots through a door resulting in death to the person inside
6/20/12 Testimony	State of NV v Davis
Second Judicial District—Washoe County	Criminal - Prosecution
Homicide	Shooting scene and shotgun performance evaluations in homicide case.
8/2012 Testimony	State of NV case
	Criminal – Prosecution
Assault	Examination of Air Soft replica pistol used in hold-ups around Reno, NV
9/10/12, 9/11/12 Testimony	State of IL v Christopher Vaughan
	Criminal – Prosecution Joliet, IL
Quadruple homicide	Involved trajectory, shooting scene reconstruction and other aspects of scene reconstruction
9/16/12 Deposition	Mena v USA
	Civil – Defense El Paso TX
Officer Involved Shooting	
1/28/13 Deposition (phone)	State of FL v Larry Reed
	Criminal - Prosecution Clearwater, Florida
Homicide	Indoor shooting scene reconstruction involving single shot from revolver. Trajectory and operation of Serrfile revolver with mis-matched ammunition.
1/24/13 Deposition	Estate of Burgs v Chicago Police Dept
	Civil - Plaintiff
Officer Involved Shooting Incident	

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

2/22/13 Testimony	Salanito v Beaverton Police
Federal Court	Civil – Plaintiff Portland, Or
Officer Involved Shooting	Officer involved shooting reconstruction
3/8/13 Testimony	State of WA v Richard Peters
Snohomish County Superior Court	Criminal - Defense Snohomish County, WA
Death Investigation	Forensic exam and reconstruction involving unintentional discharge claim via a Colt Double Eagle 45 caliber pistol.
3/21/13 Testimony	State of NV v Matthew Deacon
Elko County District Court Judge Al Kacin	Criminal - Prosecution Elko, NV
Homicide	Examination and reconstruction of single shotgun wound involving firearm and distance testing.
3/27/13 Testimony	State of IL v Blake Irby
Peoria County 10 th Judicial Court Judge Lyons	Criminal - Defense Peoria, IL
Double Homicide	Reconstruction of double homicide involving cross-fire within a mini-van
5/1/13 Testimony	State of FL v Larry Reed
	Criminal - Prosecution Clearwater, Florida
Homicide	Indoor shooting scene reconstruction involving single shot from revolver. Trajectory and operation of Serrifile revolver with mis-matched ammunition.
6/5/13 Deposition	Willard et al v City of Everett
	Civil - Plaintiff
Officer Involved Shooting	
7/19/13 Deposition	Fleming v City of Richmond
	Civil – Defense Richmond VA
Officer Involved Shooting	
10/7/13 Testimony	State of WA v Michael Helmer
King County Superior Court	Criminal - Defense
Assault	Shooting scene reconstruction
10/10/13 Testimony	State of NV v Rodriguez, Evaristo et al
	Criminal - Prosecution Reno, NV
Homicide	Shooting incident in a parking garage

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

12/11/13 Deposition	Young v Federal Way
	Civil – Defense Seattle, WA
Officer Involved Shooting	
2/7/14 Testimony	State of NV v Arturo Bolanos Jr
	Criminal - Prosecution Elko, NV
Homicide	
3/6/14, 3/7/14 Testimony	State of IL v Allan Kustok
Cook County Circuit Court Judge John Hynes	Criminal – Defense Chicago IL
Homicide	Shooting scene reconstruction
3/17/14 Deposition	Pinex/Colyer v Chicago PD, Sierra, et al
	Civil – Plaintiff Chicago, IL
Officer Involved Shooting	Shooting scene reconstruction
4/15/14, 4/16/14 Testimony	State of AZ v Maurice Holmes
Superior Court Division 1 Judge Hatch	Criminal – Prosecution Flagstaff, AZ
Homicide	Shooting scene reconstruction
6/9/14 Testimony (video)	State of W. Australia v Codie W. Davidson
Supreme Court – Western Australia	Criminal – Defense Perth, Australia
Murder	Shooting scene reconstruction
6/23/14 Testimony	State of Maryland v Michael Stahlnecker
Anne Arundel County Circuit Court Judge North	Criminal – Defense Annapolis MD
Homicide	Firearms examination
6/26/14 Testimony	State of WA v Kevin Diltz
Snohomish County Superior Court Department 11 Judge Krese	Criminal – Defense Everett, WA
First Degree Assault	Shooting scene reconstruction
8/4/14 Testimony	State of WA v D'Angelo Saloy
King County Superior Court Judge Regina Cahon (E-733)	Criminal – Defense Seattle, WA
Murder/Assault	Firearm/Shooting scene reconstruction
8/15/14 Testimony	State of NV v Robert Jackson
Clark County District Court Dept 11 Judge Elizabeth Gonzalez	Criminal – Prosecution Las Vegas, NV
Attempted Murder/Assault	Firearm examination

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

9/19/14 Testimony	Estate of Burgs v City of Chicago
US District Court Judge Gottschall	Civil – Plaintiff Chicago, IL
Officer Involved Shooting	Shooting scene reconstruction
10/27/14 Testimony	State of TX v Trinity Ringelstein
Nueces County 148th District Court Judge Guy Williams	Criminal – Defense Corpus Christi, TX
Homicide	Shooting scene reconstruction
11/06/14 Testimony (Motion to Dismiss)	State of WA v Jaarso Ahmed Abdi
King County Superior Court Judge Inveen	Criminal – Defense Seattle, WA
Robbery/Unlawful Possession of Firearm	Firearm/Reconstruction
11/26/14 Testimony (Video)	State of W. Australia v Robert J. Anderson
Western Australia Supreme Court Justice Michael Corboy	Criminal – Defense Perth Australia
Murder	Shooting scene reconstruction
12/04/14 Testimony (Sentencing)	State of IL v Allan Kustok
Cook County Circuit Court Judge John Hynes	Criminal – Defense Chicago, IL
Homicide	Shooting scene reconstruction
12/8/14 Deposition	Luis Gomez v City of Chicago
	Civil – Plaintiff, Chicago, IL
Officer Involved Shooting	Shooting scene reconstruction
12/12/14 Deposition	Schroer v Wade’s Eastside Gunshop et. al.
	Civil – Plaintiff Seattle, WA
Shooting Incident	Shooting scene evaluation
1/12/15 Testimony (Trial)	State of WA v Jaarso Ahmed Abdi
King County Superior Court Judge Inveen	Criminal – Defense Seattle, WA
Robbery/Unlawful Possession of Firearm	Firearm/Reconstruction
1/29/15, 1/30/15 Testimony	State of NV v Tatiana Leibel
Douglas County District Court Judge Tod Young	Criminal – Prosecution Minden, NV
Homicide	Firearm/Reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

2/26/15, 2/27/15 Testimony	Pinex/Colyer v Chicago PD, Sierra, et al
U.S. District Judge Edmond Chang	Civil – Plaintiff Chicago, IL
Officer Involved Shooting	Shooting scene reconstruction
3/10/15 Testimony	State of WA v Giljohn Johnson
King County Superior Court Judge Chun	Criminal – Defense Seattle, WA
Res Burg and Assault 3	Shooting scene reconstruction
4/14/15 Testimony	State of WA v Brian Minniear
Snohomish County Superior Court Judge Thomas Wynne	Criminal – Defense Everett, WA
Assault	Shooting scene reconstruction
7/22/15 Testimony	Luis Gomez v City of Chicago
U.S. District Judge Edmond Chang	Civil – Plaintiff, Chicago, IL
Officer Involved Shooting	Shooting scene reconstruction
9/17/15 Testimony	State of NV v Davis
Second Judicial District—Washoe Co. Judge Freeman	Criminal - Prosecution
Homicide	Shooting scene and shotgun performance evaluations
10/15/15 Deposition	State of FL v Alexander Richardson
Sixth Judicial Circuit of Florida Pasco and Pinellas Counties	Criminal – Prosecution
Homicide	Shooting scene reconstruction
11/4/15 Testimony	State of FL v Alexander Richardson
Sixth Judicial Circuit of Florida Pasco and Pinellas Counties	Criminal – Prosecution
Homicide	Shooting scene reconstruction
11/20/15 Testimony	State of WA v Adam Jennings
Okanogan County Superior Court Judge Culp	Criminal - Defense
Homicide	Firearm/Shooting scene reconstruction
2/8/16 Testimony	
West Kingston Commission of Enquiry	Witness on behalf of INDECOM
Tivoli Incursion	Ballistic examination/Shooting scene

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

6/10/16 Deposition	Anderson v Hayles
Franklin County Superior Court	Civil - Defense
Shooting Incident	Shooting scene reconstruction
8/1/16 Testimony	Anderson v Hayles
Franklin County Superior Court	Civil – Defense
Shooting Incident	Shooting scene reconstruction
11/9/16 Testimony	State of WA v Sandoval-Ortiz, Alexander
Snohomish County Superior Court Judge Downes	Criminal – Defense
Homicide	Firearm/Shooting scene reconstruction
11/11/16 Deposition	Jose German v Chris Roberts, City of Fircrest, et al
US District Court – Western Division	Civil – Defense
Officer Involved Shooting	Shooting scene reconstruction
11/22/16 Deposition	Estate of Ashley DiPiazza v City of Madison
	Civil – Plaintiff
Officer Involved Shooting	Shooting scene reconstruction
3/15-16/17 Testimony	State of WA v Michael Espinosa
King County Superior Court Judge Burns	Criminal – Defense
Homicide	Shooting scene reconstruction
6/7/17 Testimony	State of WA v Seth Friendly
Snohomish County Superior Court Judge Wilson	Criminal – Defense
Assault	Firearm
6/8/17 Deposition	Zambrano et. al. v City of Pasco et. al.
	Civil - Defense
Officer Involved Shooting	Shooting scene reconstruction
6/14/17 Deposition	McGee v Madison County et. al.
	Civil - Plaintiff
Officer Involved Shooting	Shooting scene reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

7/11/17 Testimony	Estate of A. DiPiazza v City of Madison
US District Court – Western District of WI Judge Confey	Civil – Plaintiff
Officer Involved Shooting	Shooting scene reconstruction
7/13/17 Testimony	People v Diontae Calhoun
Circuit Court of Cook County, IL	Criminal – Defense
Homicide	Firearm/Shooting scene reconstruction
7/31/17 Deposition	Beltran v City of Tacoma
	Civil - Plaintiff
Officer Involved Shooting	Shooting scene reconstruction
10/18/17 Testimony	State of WA v Leonard Langdon
Clark County Superior Court	Criminal - Defense
Unlawful Possession of a Weapon	Blank firing device examination
11/14/17 Testimony	State of WA v Brent Luyster
Clark County Superior Court	Criminal – Defense
Homicide	Shooting scene reconstruction
2/7/18 Deposition	Orn v City of Tacoma
	Civil - Defense
Officer Involved Shooting	Shooting scene reconstruction
2/28/18 Testimony	Govt v O. Cephas and W. Brown
Kingston Circuit Court - Jamaica	Criminal – Prosecution
Officer Involved Shooting	Shooting scene reconstruction
3/13-14/18 Testimony	State of WA v Francisco Escobedo
King County Superior Court	Criminal - Defense
Homicide	Shooting scene reconstruction
5/22/18 Testimony	US v W. Joseph Astarita
Federal Court Oregon	Criminal - Defense
Officer Involved Shooting	Shooting scene reconstruction
8/7/18 Testimony	US v W. Joseph Astarita
Federal Court Oregon	Criminal – Defense
Officer Involved Shooting	Shooting scene reconstruction
8/14/18 Testimony	Govt v Anthony Castelle
Judge Natalie Hart-Hines St James Parish Circuit Court – Jamaica	Criminal – Prosecution
Officer Involved Shooting	Shooting scene reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

9/7/18 Deposition	Estate of Kathryn New v Alladin Bail Bonds
	Civil - Plaintiff
Shooting Incident	Shooting scene reconstruction
9/11/18 Deposition	Adrienne Hood v City of Columbus et al
	Civil - Defense
Officer Involved Shooting	Shooting scene reconstruction
9/25/18 Testimony	State of WA v Ronald Mitchell
King County Superior Court	Criminal – Prosecution
Homicide	Evidence examination
10/31/18 Testimony	State of WA v Ronald Mitchell
King County Superior Court	Criminal – Defense
Homicide	Evidence examination
1/21-22/19 Testimony	Vanessa Kirkland
Home Circuit Court – Jamaica	Criminal – Prosecution
Officer Involved Shooting	Shooting scene reconstruction
1/29/19 Deposition	Merritt v State of AZ
	Civil - Defense
Shooting Incident	Shooting scene reconstruction
2/26/19 Testimony	State of WA v Rodney Wheeler
King County Superior Court	Criminal – Defense
Homicide	Scene reconstruction
6/3/19 Testimony	Anthony Trought
	Criminal - Prosecution
Officer Involved Shooting	Shooting scene reconstruction
6/20/19 Testimony	State of WA v Kevion Alexander
King County Superior Court	Criminal – Defense
Homicide	Shooting scene reconstruction
7/16-17/19 Testimony	State of WA v Ruben Melegrito
King County Superior Court	Criminal – Defense
Homicide	Shooting scene reconstruction
8/29/19 Testimony	State of WA v Jonathan Timmen
King County Superior Court	Criminal - Defense
Assault	Shooting scene reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

11/4-5/19 Testimony	State of WA v Antonio Inda
King County Superior Court	Criminal – Defense
Homicide	Shooting scene reconstruction and evidence examination
11/20/19, 11/25/19 Testimony	State of WA v Malik Lee
King County Superior Court	Criminal – Defense
Homicide	Evidence examination
2/11/2020 Testimony	Minnesota v Christopher Kruse
Nobles County District Court Judge Terry Vagjrt	Criminal - Defense
Homicide	Microscopic comparison and reconstruction
5/14/2020 Deposition	Hayes et al v City of Portland et al
	Civil – Defense
Officer Involved Shooting	Shooting scene reconstruction
1/27/2021 Testimony	Oregon v Torrey Brumfield
Washington County Superior Court	Criminal – Defense
Homicide	Shooting scene reconstruction
2/3/2021 Deposition	Giovonn Joseph-McDade et al v City of Kent et al
	Civil – Defense
Officer Involved Shooting	Shooting scene reconstruction
3/11/2021 Testimony	Commissioner of Police v Tyrone Carty (Anguilla)
Eastern Caribbean Supreme Court in the High Court of Justice Anguilla Circuit	Criminal - Prosecution
Homicide	Shooting scene reconstruction and evidence examination
4/1/2021 Testimony	WA v Esmond Earl Holmes
King County Superior Court	Criminal – Defense
Homicide	Scene reconstruction
5/18/21 Deposition	Rice/Donahue v City of Roy et al
	Civil – Plaintiff
Officer Involved Shooting	Shooting scene reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

6/22/2021 Testimony (Franks Hearing)	US v Gizachew Wondie
US District Court – Western District of WA	Criminal - Defense
	Ballistic comparison
7/14/2021 Deposition	Holte v City of Eau Claire et al
	Civil – Defense
Officer Involved Shooting	Shooting scene reconstruction
8/5/2021 Testimony	WA v Caviyon McCalister
King County Superior Court Judge Roberts	Criminal – Defense
Homicide	Sound of Gunshot
8/5/2021 Deposition	Krystal Noga-Stryon et al v Forrest Lemme & Todd Mitchell
	Civil – Plaintiff
Shooting	Shooting scene reconstruction and evidence examination
9/8/2021, 9/9/2021 Testimony	Rice/Donahue v City of Roy et al
US District Court – Western District of WA	Civil – Plaintiff
Officer Involved Shooting	Shooting scene reconstruction
11/12/2021 Testimony	Adrienne Hood v City of Columbus, Ohio, et al
US District Court – Southern District – Ohio	Civil – Defense
Officer Involved Shooting	Shooting scene reconstruction and evidence examination
12/1/2021 Deposition	Pursley v City of Rockford
	Civil – Defense
Shooting	Evidence examination
1/28/2022 Deposition	Sanchez v Village of Wheeling
	Civil - Plaintiff
Shooting	Ballistics and Gunshot Residue
3/18/2022 Deposition	Martinez v Rogers County
	Civil – Defense
Shooting	Shooting scene reconstruction and evidence examination

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

4/21/2022 Testimony	Adrienne Hood v City of Columbus, et al
US District Court – So. District – Ohio	Civil – Defense
Officer Involved Shooting	Shooting reconstruction and evidence exam
4/28/2022 Testimony	Illinois v Jeremy Boshears
Circuit Court of the 12th Judicial Circuit, Will County IL	Criminal – Prosecution
Homicide	Shooting reconstruction
5/2/2022 Testimony	WA v Michael Brower
Thurston County Superior Court	Criminal – Defense
Homicide	Evidence examination
6/8/2022 Testimony	WA v Soren Olsen II
Skagit County Superior Court	Criminal – Defense
Unlawful Possession of Firearm	Evidence examination
6/14/2022 Testimony	Commissioner of Police v Tyrone Carty
Eastern Caribbean Supreme Court in the High Court of Justice Anguilla Circuit	Criminal - Prosecution
Homicide	Shooting reconstruction and evidence exam
6/17/2022 Deposition	Ethan Marks v Benjamin Bauer
	Civil - Defense
Shooting	Shooting Reconstruction
6/21/2022 Testimony	WA v Peter Garrido
King County Superior Court	Criminal - Defense
Assault	Shooting Reconstruction
6/28/2022 Testimony	WA v Nigel Hogan
King County Superior Court	Criminal – Defense
Homicide	Shooting Reconstruction
6/29/2022 Deposition	Novak et al v City of Spokane et al
	Civil – Defense
Shooting	Shooting Reconstruction
10/12/2022 Testimony	USA v Lorenzo Jones
Oregon District Court	Criminal - Defense
Homicide	Shooting reconstruction and Evidence Exam
11/29/2022 Testimony (Retrial)	WA v Peter Garrido
King County Superior Court	Criminal – Defense
Assault	Shooting Reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

12/5/2022 Testimony	WA v William Dudley
King County Superior Court	Criminal - Defense
Homicide	Shooting Reconstruction and Evidence Exam
12/14/2022 Testimony	Grand Jury
Grand Jury	Criminal - Prosecution
	Shooting Reconstruction
12/15-16/2022 Testimony	OR v Patrick Grundman
Yamhill County District Court	Criminal – Defense
Shooting	Ballistic Examination
12/22/2022 Deposition	Estate of Bennie Branch et al v City of Tacoma et al
	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
1/20/2023, 1/23/2023 Testimony	Dearrea King v City of Columbus
So. District of Ohio US District Court	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
2/15/2023 Deposition	Alcantor/Flores v Centralia et al
	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
4/28/2023 Deposition	Salyers v City of Tacoma
	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
5/15/2023 Hearing Testimony	OR v Sean K. Beck
Marion County Circuit Court	Criminal – Defense
Homicide	Shooting Reconstruction
6/14/2023 Testimony	OR v Kit Warren Wilkins
Jackson County Circuit Court	Criminal – Defense
Homicide	Shooting Reconstruction and Evidence Exam
6/20/2023 Testimony	South Dakota v Asher Parks
Minnehaha County Court	Criminal – Defense
Homicide	Shooting Reconstruction
6/21/2023 Testimony	OR v Austin B. Sutton
Washington County Circuit Court	Criminal – Defense
Homicide	Shooting Reconstruction and Evidence Exam

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

6/26/2023 Testimony	Estate of Joel Nelson v Thurston County
US Federal Court	Civil - Plaintiff
Officer Involved Shooting	Shooting Reconstruction
6/27-28, 30/2023 7/3-4/2023 Testimony	Turks/Caicos v Syrmaderia Karioka
Supreme Court, Providenciales	Criminal - Prosecution
Homicide	Shooting Reconstruction
7/18/2023 Deposition	Susan Zawacky v Clark County
US District Court of Western Washington	Civil – Plaintiff
Officer Involved Shooting	Shooting Reconstruction
7/24/2023 Deposition	Gloria Black Meadows v Deptford Township
US District Court New Jersey	Civil – Plaintiff
Officer Involved Shooting	Shooting Reconstruction
9/14/2023 Testimony	Linares/Lopez v Southaven
US District Court, Oxford Division, (Miss.)	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
10/30/2023 Deposition	Bishop v City of Buckley
US District Court of Western Washington	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction
10/31/2023 Testimony	WA v Andy Castaneda-Rodriguez
King County Superior Court	Criminal – Defense
Homicide	Shooting Reconstruction
11/2/2023, 11/6/2023 Testimony	Washington v Eddie Lee-Lewis Sulcer
King County Superior Court	Criminal – Defense
Homicide	Shooting Reconstruction and Evidence Exam
12/7/2023 Deposition	Adam Fried v Jose Garcia
Ohio Northern District Court	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction
12/11/2023 Deposition	Anna Lewis et al v Pima County et al
US District Court of Arizona	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
12/12/2023 Deposition	Julie Huff v DPS/DOC
US District Court, Eastern District of OK	Civil - Plaintiff
Officer Involved Shooting	Shooting Reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

1/9/2024 Deposition	Jonathan Strickland v City of Las Cruces
	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction
1/24/2024 Testimony	Idaho v Jed Daniel Earls
Ada County District Court	Criminal – Defense
Homicide	Shooting Reconstruction
2/6/2024 Testimony (2nd Trial)	Washington v Eddie Lee-Lewis Sulcer
King County Superior Court	Criminal – Defense
Homicide	Shooting Reconstruction and Evidence Exam
4/17/24 Deposition	Said Joquin v City of Lakewood
	Civil – Defense
Officer Involved Shooting	Shooting Reconstruction
5/16/24 Testimony (2nd Trial)	Idaho v Jed Daniel Earls
Ada County District Court	Criminal – Defense
Homicide	Shooting Reconstruction
6/20/2024 Deposition	Sebastian Wells, Donna Bailey v Christian County et al
	Civil - Plaintiff
Officer Involved Shooting	Shooting Reconstruction
7/9 – 11, 15-16/2024 Testimony	Government v Odel Buckley, et al
Home Circuit Court Kingston Jamaica	Criminal - Prosecution
Homicide (Keith Clark (v))	Shooting Reconstruction and Evidence Exam
8/1/2024 Testimony	Idaho v Patrick Coffey
Kootenai County District Court	Criminal – Defense
Assault	Shooting Reconstruction
8/26/2024 Deposition	Sean Monterrosa et al v City of Vallejo
US District Court Eastern District of CA	Civil - Plaintiff
Officer Involved Shooting	Shooting Reconstruction
10/31/2024 Deposition	Torres v City of St Louis
	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction and Evidence Exam

CURRICULUM VITAE - MATTHEW NOEDEL**TESTIMONIES/DEPOSITIONS CONTINUED**

11/6/2024 Testimony	Torres v City of St Louis
US District Court Eastern District of MO	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction and Evidence Exam
11/12/2024 Deposition (criminal)	Florida v Justin Miller
Sixth Judicial Circuit of Florida Pasco and Pinellas Counties	Criminal - Prosecution
Manslaughter	Shooting Reconstruction
11/18/2024 Testimony	Idaho v Randy Michael Larkin
Bonneville County District Court	Criminal - Prosecution
Murder	Shooting Reconstruction
12/5/2024 Testimony	Florida v Justin Miller
Sixth Judicial Circuit of Florida Pasco and Pinellas Counties	Criminal – Prosecution
Manslaughter	Shooting Reconstruction
1/24/2025 Testimony	California v Steven Kelly
Contra Costa Superior Court	Criminal – Defense
Murder	Shooting Reconstruction
1/29/2025 Testimony	Ball-Bey et al v Chandler et al
US District Court, East. Dist. Of Missouri	Civil - Plaintiff
Officer Involved Shooting	Shooting Reconstruction and Evidence Exam
1/30/2025 Deposition	Heeter v Bowers et al
	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction and Evidence Exam
4/15/2025 Testimony	Texas v Mathews George
216 th Judicial Dist. Kerr & Gillespie Counties	Criminal - Prosecution
Assault	Shooting Reconstruction
6/30/2025 Testimony	WA v Dondre Jack-Lee Butler
King County Superior Court	Criminal – Defense
Murder	Shooting Reconstruction
7/14-15/2025 Testimony	Heeter v Bowers et al
	Civil - Defense
Officer Involved Shooting	Shooting Reconstruction

CURRICULUM VITAE - MATTHEW NOEDEL

TESTIMONIES/DEPOSITIONS CONTINUED

7/16/2025 Testimony	WA v Jocelyn Pineda-Maravilla
Snohomish County Superior Court	Criminal – Defense
Possession of Firearm	Firearm
7/29-30/2025 Testimony	Idaho v Jacob Anderson
Benewah County District Court	Criminal – Defense
Murder	Shooting Reconstruction
8/19-20/2025 Testimony	WA v Richard Spoelstra
Kitsap County Superior Court	Criminal – Defense
Assault	Shooting Reconstruction

Testimony/Deposition Summary (From 2005)*

Testimonies	Plaintiff/Prosecution	Defense	Totals
Civil	10	11	21
Criminal	53	74	127
	Total Testimonies:		148

Depositions	Plaintiff/Prosecution	Defense	Totals
Civil	17	30	47
Criminal	6	0	6
	Total Depositions:		53

**West Kingston Commission of Enquiry not included in these counts.*