

Guardians 2023

Master Course Descriptions

“Emergent Skills Required for the Peri-Arrest or Arrested Patient - A Web-a-Daver Experience”

Scotty Bolleter, BS, EMT-P

In this web-based lab the Centre’s faculty will utilize human specimen to systematically demonstrate and explain each of the skills we employ to save our sickest patients. The faculty will cover procedural anatomy (and its relevance to each skill), ventilation (BLS and ALS), thoracic interventions (ND and PC), as well as vascular access (IV and IO).

Blown to Kingdom Come!

Christopher Ebright

Blast injuries result from explosions that have the capability to cause multisystem, life-threatening injuries in single or multiple victims simultaneously. These types of events present complex triage, diagnostic, and management challenges for the health care provider. This presentation will explain the pathophysiology, safety considerations and what we do as EMS providers to help these trauma patients.

Target Audience: All levels

At the end of this session, the participant will be able to:

1. describe the physics of blast injuries.
2. name two special scenarios with the management of blast injuries.
3. differentiate between the different blast phases.
4. discuss the pre-hospital management of blast injuries.

Trust Me, Don't Inhale.

Christopher Ebright

The focus of this presentation is in on cyanide (CN) and carbon monoxide (CO) poisoning - the two most common toxic substances found in smoke. Various topics, including circumstances in which CN and CO exposure might occur, the pathophysiology behind both toxins, the signs/symptoms of poisoned patients, and the action behind the antidotes for each will be discussed. Come listen, review, and refresh on a common, and sometimes deadly, topic.

Target Audience: All levels

After this presentation, the participant shall be able to:

1. discuss the pathophysiology of a carbon monoxide poisoning.
2. discuss the pathophysiology of a cyanide poisoning.
3. differentiate between the treatments for CO and CN.
4. list the common sources of CO and CN.

Farm Chemical Emergencies

Mike Bailey, NRP, EMSI

This class addresses typical chemicals farmers and ranchers use every day.

Course Objectives:

- Discuss ERG guide, CHEMTREC, MSDS sheets and Poison Control
- Learn about the routes and ways chemicals effect the body
- Discuss and practice treatment of various chemical emergencies

Animal Emergencies

Mike Bailey, NRP, EMSI

From a rodeo to working on the ranch this class will cover some of the injuries and attitudes you deal with during injuries with animals.

Course Objectives:

- Discuss the MOI of an animal injury to a person
- Discuss and practice working with ranchers and rodeo participants
- Practice splinting and packaging injuries from animals.

To the Nth Degree...A new look at Burns

Scott Lail, EMT-P, FP-C, CFE

Burns come in all shapes, sizes, and degrees! They can also inflict a massive amount of damage to many different body systems. Additionally, people who are severely burned, and survive, face a long, painful road to recovery. This lecture will start with the skin's basic structures, the damage a burn causes, progress through field treatment and transport, and end in the Burn ICU. Next, it will spend time looking at some of the newest, cutting-edge technology. Finally, this lecture will also utilize a case study to illustrate the long-term and ongoing effects of a major burn on a person's everyday life years after the initial insult.

Normal Vs. Special Needs; Let's Redefine Normal

Scott Lail, EMT-P, FP-C, CFE

"Special Needs" is an umbrella term with a vast array of diagnoses. Children and adults with special needs may have mild learning disabilities or profound mental challenges; simple developmental delays that show up early or remain entrenched; occasional panic attacks or serious, life-changing psychiatric problems. When these conditions are combined with a critical illness or injury and involve movement to more specialized treatment, air and ground transport programs are faced with a difficult mission. This lecture will take an emotional, introspective look at how we view and interact with these patients. It will also review some important concepts and "pearls" for transport personnel.

It's Okay to Talk About It.

H. Dean Post, EMT-P

H. Dean Post- Dean has been a paramedic for over 25 years. He is currently the Assistant Fire Chief/EMS Director at the Quapaw Nation Fire Department. Dean has worked his entire career in Ottawa County, Oklahoma. Dean does not have many outstanding accomplishments, does not have a bunch of initials behind his name nor has he spoken all over the country. However, Dean has done his best to promote mental health awareness for the last 15 years. He has a passion for taking care of everyone's mental health in the EMS world from first responders to dispatchers to the boots on the ground. "It's ok to talk about it" will give insight into why we should do a better job of assessing employees mental health and how we as individuals should do a better job of taking care of ourselves.

Autism Interactions for First Responders

Ryan Woodard

This two-hour course will explain what Autism is, its origins and misconceptions. Discuss the dangers and obstacles dealt with regularly. Discuss good application of this knowledge, to include how to interact going forward.

Airway Rodeo

Bill Justice NREMT-P, TEMS-I

Janet Taylor

Simulated real-world situations, entrapment with prolonged extrication, the back bathroom of a single-wide trailer house, etc. No climate controlled, well lit, supine patients with empty stomachs here! We also include questions that teams must physically find to answer and be able to move on to the next question. A type of Amazing Race/Escape Room format.

This class is fast-paced, and 100% hands-on skills designed for the first responder/EMT-B level. There will be advanced skills available for medics/nurses as well, everyone is welcome! Please wear comfortable clothing that you don't mind crawling around on the floor with. This is a physically active class.

Airway is a very important part of patient care and assessment and while we learn so much about airway, there are new methods and discoveries about the anatomy and physiology of airway and breathing that is sometimes missed when teaching to new students. This presentation will cover the new thinking behind some techniques and anatomy as well as airway decontamination and maintaining alveolar recruitment with advanced airways. The 2nd portion of this class is all hands-on and scenario driven and requires physical activity.

Be Where Your Feet Are...Building Your Own Resiliency

Scott Lail, EMT-P, FP-C, CFE

We see things we shouldn't see and hear things we weren't meant to hear. So what happens when the experiences are too much, and your plate is full or begins to overflow? What if there was something we could do to proactively prepare ourselves for these traumatic events and help mitigate their effects on us? Luckily there IS something we can do; we can build resiliency! This session will offer a brief introduction to the challenges associated with reactive responses to trauma. More importantly, it will explore several techniques to help Responders build their own upstream resiliency. This lecture is appropriate for everyone from the newest rookie to senior leadership and management, and the discussion may range from emotional and dark to smiles and laughter. Ultimately, it is designed to help Responders live their best life!

When The Bite Is Worse Than the Bark

Christopher Ebright

Thousands of snakebite cases are reported every year in the United States. A bite from a venomous snake is rarely deadly but should always be treated as a medical emergency. Most of these types of bites produce an array of symptoms, including localized pain, swelling, convulsions, nausea and even paralysis. This presentation will describe the common types of snakes, the pathophysiology of their venom and what we as EMS providers need to do for these patients.

Target Audience: Can be used for all levels

At the end of this session, the participant will be able to:

1. list the three common snakes of the Crotaline family found in the United States.
2. explain the various "do-not's" of pre-hospital snakebite care.
3. explain the actions of pit viper and coral snake venom on the human body.
4. state what should be done for a victim of a venomous snakebite.

Thwacks, Whacks, Cracks and Smacks

Christopher Ebright

Sports-related concussions are serious, widely prevalent, and often under-reported traumatic brain injuries. This presentation discusses the pathophysiology and sequelae of concussion as well as proper identification, evaluation, and patient management. Severe, moderate, and even mild concussions have a high potential for significant long-term deleterious effects on an athlete. Extensive anatomical and physiological damage may be present from just one traumatic blow to the head. Advocating for an athlete to sit out the rest of an event by knowing the signs and symptoms specific to concussion may be the difference between a decent versus a terrible outcome. Target Audience: Can be used for all levels

After this presentation, the participant shall be able to:

1. describe the pathophysiology of a concussion.
2. explain the unique considerations when assessing an athlete with possible concussion.
3. list the proper steps in managing a patient that is suffering from a concussion or showing signs of TBI.
4. discuss the various unique signs and symptoms of a concussion.

The Final Cut: Amputations (1 hour)

Janet Taylor

While being faced with doing a field amputation is considered rare, caring for a patient who has already cut off a limb in an accident is common and most of us have a couple of these types of calls under our belt already. We will review ALL aspects of an amputation including mechanism of injury, recovering a limb, partial versus complete amputations, and what criteria is considered IF you were, in fact, faced with the possibility of doing the amputation yourself.

(Trauma, Operations)

She's Having a Baby! Pregnancy Complications (1 hour)

Janet Taylor

This course looks at pregnancy from the very start. Miscarriage, tubal pregnancy, gestational diabetes, pre-term labor, incompetent cervix and more. Great for fulfilling the core content for paramedic refresher transition courses. (This course can also be used as a "Part One" in that it does not address childbirth. (Medical)

Law Enforcement Ground Fighting

Royce Gracie

G.R.A.C.I.E Ø is the defensive tactics and weapons retention course created by the legendary Royce Gracie, 3-Time Ultimate Fighting Champion. Royce earned his title by defeating his opponents using Brazilian Jiu-Jitsu, proving the effectiveness of leverage and technique over strength and size. Royce has incorporated these defensive tactics into a comprehensive training course specifically designed for law enforcement. Like many skills, defensive tactics are perishable, therefore the G.R.A.C.I.E Ø program teaches simple and automatic, rapid yet smooth actions. The G.R.A.C.I.E Ø program is the “only” defensive tactics program that truly gets officers to properly defend their weapons in any and all altercations. The G.R.A.C.I.E Ø program has been used by the US Special Forces, DEA agents and many national and international police departments.

75 Years

Dr. Chuck Sheppard

As I turn 75, I thought it would be interesting to review some of the major changes, good and bad, in medicine since I first learned CPR as a teenager to people with “hearts too good to die” to today when our biggest challenge is who not to perform CPR on and who gets ECMO/post ROSC cath etc. This is a brief (very brief) overview of my career in medicine, specifically emergency medicine. This will touch on such advances as CT, MRI, etc with their benefits and harms from my very personal perspective. Will also touch on some personal “adventures” I have had along the way. Hopefully this will be useful to those who share this marvelous career with me.

Put Me in Coach

Mike Bailey, NRP, EMSI

This is a dynamic and motivational presentation designed to revive the old and inspire the new EMS providers to take ownership in their department. Sometimes fear limits us. Sometimes a poor experience or difficult co-worker can hold us back. The things we see, and experience can cause us to withdraw. The environment we work in can be hard but, stop beating ourselves and others up! Failure and challenges are a part of life, but in EMS it brings a whole new meaning to life and the stress that it can cause. Let's bring back that desire to respond.

Course Objectives:

- Discuss developing new EMS providers
- Compare the old EMT vs the new EMT
- Understand how to bridge generation gaps
- Revisit the reasons for being an EMS provider

TEAM Trauma

Mike Bailey, NRP, EMSI

outcome. This class investigates the Trauma System as a whole and helps EMS understand how vital their role is and what they can do to improve patient outcomes. We will discuss the different types of trauma centers and gain an understanding of how they work.

Course Objectives:

- Explain the role of EMS in the trauma system
- Define the criteria for calling a trauma activation
- Identify the benchmarks for a successful trauma incident
- Practice the "EMS timeout" handout with "MIST" report

Rural Dispatch - applying data to improve response and care

Mike Bailey, NRP, EMSI

For rural dispatching services time is a huge factor in patient care. What if we can change that? How often is the information accurate? What if we make a few minor changes and it completely changes things for the better? Join the ride to learn how a small county dispatch system completely improved response time for its services and patients.

There is No 'I' in Airway

Scott Lail, EMT-P, FP-C, CFE

As EMS responders, we are given an enormous responsibility...we are often tasked with managing an airway that our patients cannot manage themselves. To make things even more complicated, we are expected to flawlessly intervene in often less than ideal conditions. The sad fact is that we are not always flawless or successful. And, when we fail, the outcome for the patient can be catastrophic. This lecture will call our airway management skills, procedures, and past education into question. The result is that we, as responders, are better equipped to manage those airways that depend on us and significantly improve our success.

Objectives:

- Review changes in how dispatch paged to lower response times
- Review and discuss the information that dispatch receives
- Discuss the improvements these simple changes created that lead to improved response time and patient care
- Discuss the effects and obstacles to work

That Gut Feeling

Christopher Ebright

You didn't feel like going to school, so you tried your best to convince your parents that you were just too sick. Faking a stomachache was one of the easiest things to try, and in my case, it usually was effective (sorry, Mom). But what about that patient who truly has abdominal pain? Assessing it is one of the easiest and one of the hardest things to do. Easy, because the exam takes under a minute; hard, because between what you assess and what the patient tells you, you're left asking a lot of questions: do the symptoms, focused physical exam, and patient history suggest something life-threatening, or more benign? The degree of criticality is determined by getting answers to those questions

Target Audience: All levels

After this presentation, the participant shall be able to:

1. list two organs in each of the four abdominal quadrants.
2. differentiate between visceral and parietal pain.
3. describe referred pain.
4. list four common abdominal ailments.

Unique Patient Signs

Christopher Ebright

Even experienced clinicians can be stumped when a patient presents with multiple signs and symptoms. Diagnosis and treatment are often delayed as a result, especially when these signs and symptoms don't jive with the patient's chief complaint. Interestingly, there is a subset of medical terminology known as an eponym - which is any word related to medicine, whose name is derived from a person, usually a physician. Observing these unique "signs" and understanding what they represent can help an EMS professional efficiently differentially diagnose, guide patient management, and make appropriate transport decisions.

Target Audience: All levels

After this presentation, the participant will be able to:

1. define what is an eponym.
2. describe the physical presentation of three unique patient signs.
3. discuss the underlying pathophysiology of three unique signs.

The stretch

Chief Kyle Romagus

“The stretch” covers the ins and outs of making and drilling on the stretch. Leader lines, bundles, loading and deploying the flat load off the transverse, 2.5 deployment for blitz, and line choice for the first engine due.

Cruel intentions

Chief Kyle Romagus

Fires are growing and extending faster in the modern age than they ever haven't before. We must ensure that as a nozzleman we can think and act as an independent operator. This class is a deep dive into understanding the goals of the first engine due, how to operate independently on the nozzle, and attack the fire with cruel intentions.

The 9L's is 4 hours long. Here is a brief write up:

Chief Corley Moore

Each and every one of us has a unique perspective on what it takes to be a successful leader. And we all understand that there is no cookie cutter formula that will hand you the magic keys to unlocking a high-performance culture. The 9L's however will expound on the key principles, the core concepts that each and every person can apply and use. No matter what their background is, or their leadership beliefs! The foundation laid out in this class will allow anyone to create, nurture and build a high-performance culture. The class covers the following topics:

- The keys to unlock your learning potential
- Understanding communication and why it breaks down
- Understanding what level you are on in relation to those you lead
- What exactly vision is and why it matters so much if you want to succeed
- How to calibrate our normalcy, so we don't mistake a toxic workplace for 'normal'
- Why downtime, and days off matter even more than time at work.
- The formula for success no matter what the endeavor is inside the organization
- How to make it last

The class covers nine principles of leadership all of which start with the letter "L". Learn, Listen, Love, look, Laugh, Level, Live, Labor, Last. The ultimate point of the class is to provide the student with the single greatest tool that they can possess in a leadership role, and that is a lens by which they can judge every decision that they must make in their organization.

Detecting Danger

MCTC

This eight (8) hour training course will enhance the ability of military, law enforcement, and fire personnel to recognize the indicators of violence and allow them to make split-second decisions on when or when not to use force on what at first glance may appear to be a noncombatant. Through the analysis of both verbal and non-verbal communications the students will be provided information to help identify armed and/or aggressive individuals who may or may not be under the influence of narcotics and possibly diffuse the emotion of anger before violence and -or injury can occur.

Topics discussed include:

- Subconscious Communication
- Phenomenological Thought Process
- Mental Preparation for Danger
- Verbal and Non-Verbal Communication
- Proxemics and Danger

De-escalation for Law Enforcement

Kevin D. McCullough

Description: The purpose of this training is to provide law enforcement officers with guidelines on the mindset of de-escalation as it relates to all interactions that an officer may have. The provided information should aid the participant in using de-escalation skills, techniques, and tactics in all law enforcement operations, where doing so does not compromise the safety of officers, other persons, or where there is danger of significant property damage. The course meets the statutory requirement for continuing education addressed in 70 O.S. §3311.4(Mental-Health)

Israeli Combat Shooting

J. Dean Bridges

The Israeli tactical shooting method is based on actual and practical performance. As it has been developed and upgraded over years of experience, the Israeli shooting method has distinct advantage that has been proving itself highly effectively time after time. The guiding principle of the Israeli shooting method is to quickly neutralize the threat in the simplest and most instinctive way possible. To achieve its high effectiveness, the Israeli tactical shooting method integrates aggressiveness, determination, speed, and accuracy. Stress factor is also introduced into our training regimen in order to accustom trainees to the typical pressures associated with actual events. It has become the preferred choice of many professional agencies around the world, due to its simplicity, based on the instinctive reaction to stimulus which occurs under stress. Our courses of Instruction will take you step by step to achieve superior handgun and rifle skills for rapid reaction to fluid conditions.

Creating a Winning Mindset

Brian Willis

Brian will be speaking on how to build resilience, improve focus, and become a better leader by answering life most important question – “What’s Important Now?” (W.I.N.) Brian will explain how leadership is choice, not a rank, and what you can do to create a culture of leadership within your organization regardless of its current status.

Getting Control of Your Financial House – Retirement Training

Ken Stafford

Ken will explain simple steps to help you manage your debt and get you on the road to financial freedom making your family financially bullet proof. Ken will explain investing in Layman’s terms so you can see “It’s not rocket science” Ken will finish up with “What does retirement look like for me?” Buckle up, the financial information you receive will be life changing!

Basic 12-Lead ECG Interpretation

Stephen J. Rahm, NRP,

Major decisions in emergency cardiac care often cannot be made without a 12-lead ECG. This fundamental tool enables providers to quickly assess for electrical conduction abnormalities, which in correlation with the patient’s clinical presentation, could indicate a time-sensitive problem that requires timely treatment. This presentation begins with basic reviews of cardiac electrophysiology, waveforms, intervals, and segments. Then, following a focused and systematic approach, we will review the components of the 12-lead ECG, and how to navigate a tracing to quickly formulate an interpretation. Whether you are a new provider with fundamental ECG interpretation skills, or an experienced provider looking to review and renew your knowledge; this presentation has something to offer everyone.

Heart Alert! ECG Patterns of Acute Cardiac Ischemia

Stephen J. Rahm, NRP

Intended for providers who possess both basic and advanced multi-lead ECG interpretation skills, this presentation takes the audience from rapid recognition of the “in your face” STEMI to the less obvious ECG indicators of acute coronary occlusion that rely upon a keen eye for reciprocal changes and a knowledge of ECG patterns that are considered to be STEMI equivalents. Based on the leads in which ST/T wave changes are noted, the provider should be able to anticipate where the culprit artery is, thus allowing him or her to anticipate prehospital treatment needs. This presentation features numerous multi-lead ECG tracings—from not so difficult to rather challenging—along with associated patient presentations and pre- and postcardiac catheterization images.

Stranger Things: Lethal ECG Patterns

Stephen J. Rahm, NRP

This presentation reviews lethal ECG patterns that every advanced level EMS provider should recognize. Do you remember back in the 1980s and 1990s, before prehospital 12-Lead ECGs were a thing? Do you remember how we carried essentially the same drugs then that we do now? It makes you wonder how many people we (inadvertently) brought harm to because we were giving those same drugs without the benefit of a 12-Lead ECG; it's quite sobering! Recognition of certain lethal or potentially lethal ECG patterns can enable the provider to anticipate treatment needs (which includes avoiding certain therapies), thus preventing a catastrophe from happening right in front of them.

The Fentanyl Craze: Fact vs Fiction

Stephen J. Rahm, NRP

Early in the onset of what is now an unprecedented opioid epidemic, information was disseminated to public safety officials that more recent research and evidence has concluded is simply not true – specifically, how to protect yourself against dermal or inhalation exposure to fentanyl and its many analogues, including carfentanil. This presentation reviews fentanyl and fentanyl analogues (including carfentanil), as well as how these drugs have—at least in the past—created confusion among providers regarding the best practices in self-protection. You will find—perhaps to your surprise—that all the hype surrounding provider protection boils down to reasonable judgement and common sense. Note: this presentation is NOT intended to “downplay” the potentially dangerous nature of these drugs, but rather to arm you with the most current, evidence-based, practice recommendations.

BELOW 100 Training Program

Jeff Crow

Below 100 is a free training program for law enforcement officers which aims at providing instruction that will assist in reducing the number of line-of-duty deaths to below 100, a number not achieved since 1944. Unfortunately, too many officer deaths and injuries are due to “accidents” or otherwise preventable circumstances. The program is based on the following five tenets: “Wear your seatbelt,” “Wear your bulletproof vest,” “Watch your speed,” “What’s Important Now W.I.N. – (Situational Awareness and Decision Making); and “Remember Complacency Kills.” Below 100 is committed to providing the tools and resources you need to make a culture of safety thrive throughout your department.

VR (Virtual Reality) Platform Demonstration

AXON Team

The AXON VR Platform is made up of three components; Community Engagement Training, Web Based Training, and Simulator Training. With immersive content, the VR system is designed to encourage critical thinking and de-escalation skills. The VR Platform is effective, scalable, and more affordable than bulky simulators. The VR Platform offers four times faster learning, focus, and better retention. With the VR Platform, officers experience 275% greater confidence in their ability to apply the training. AXON training is training the reality of today and tomorrow, and it's here now!

Highway Drug Interdiction – Evolution of Criminal Patrol

Agent Branson Perry

This training will provide students with the skills to be able to recognize potential criminal indicators and what these indicators could mean. The training will showcase the latest concealment methods used by drug trafficking organizations. This training will also cover the hazards associated with conducting drug interdiction operations, the indicators of narcotics activity during the traffic stop, and proper techniques for conducting vehicle searches for the detection and identification of drug traffickers.

Controlled Deliveries – Evolution of Criminal Patrol

Agent Branson Perry

This training will provide students with information on the use of controlled deliveries and how law enforcement can use them to maximize their drug enforcement efforts. The training will cover the risks and benefits of using controlled deliveries and under what circumstances controlled deliveries should be used.

Title – When TCDs (Time Critical Diagnosis) Collide

Dr. Robert Medley

Objectives

- Gain an understanding of the interconnected process between Time Critical Diagnoses of Stroke, STEMI, Trauma, Sepsis
- Discuss assessment and treatment options for patients experiencing more than one Time Critical Diagnosis simultaneously

Presentation Outline

- Stroke Epidemiology
- Stroke causing trauma
- Trauma causing stroke
- STEMI causing stroke
- Sepsis and stroke
- Review