

Course Descriptions

THURSDAY: [NAEMSE Instructor Course](#)

[Agricultural Medicine](#)

[Medical Director Workshop](#)

[Pediatric Trauma 911](#)

[Service Director Workshop](#)

[Sepsis](#)

EMS in Small Towns

[Blast Injuries](#)

[I'm Ok, You're Ok](#)

[Blood Chemistry](#)

[Employee Behavior](#)

[Pediatric Transport](#)

[Advanced Airway Management](#)

[Pweor of Cmmounaictioin – Team Building](#)

FRIDAY: [Love What You Do](#)

[Mother Goose on the Loose](#)

[Give Me Five](#)

[Pediatric Shock](#)

[I Missed the Warning Signs](#)

[Baby Makes Two](#)

[Rave Drugs – Dancing with Death](#)

[New Drugs of Abuse – Panel Discussion](#)

[Nasal Medication Administration](#)

[What's the Drama, It's Only Trauma](#)

[Bureau of EMS update](#)

[Friday Night Lights](#)

[I Shouldn't Have Gotten out of Bed This Morning](#)

[Where Have Johnny and Roy Gone?](#)

SATURDAY: [Two-Wheeled Trauma](#)

[Tattoos, Tongues, Teens, & Trauma](#)

Behavioral Emergencies, part 1

Behavioral Emergencies, part 2

[The Process of Dying](#)

Street Airway Management

[Size Matters](#)

[Recreational Trauma](#)

[Carbon Monoxide Poisoning](#)

[Complications in Transplant Patients](#)

[Incident Command in Cardiac Arrest](#)

[All Tangled Up](#)

[I Can't Hear You, Speak Up](#)

[When in Doubt, Knock em Out](#)
[EMS Goes to Hollywood](#)

NAEMSE Instructor Course – 2 day course - This year IEMSA will be partnering with the National Association of EMS Educators to offer the **NEMSE Level II Instructor Course**. This course is representative of the 2002 National Guidelines for EMS Educators and will provide educators and program directors with the tools and information needed to further build their leadership skills and better evaluate programs, students, and faculty. This course also includes an online portion that will enhance the two-day in-person sessions. While Level I of the NAEMSE instructor course is ideal for the beginning educator, Level II is geared more towards the experienced instructor. The Level II course represents the next step in the formalized education process. Topics covered include: Mentoring * Student Centered Learning * Lesson Plans * Program Evaluation * Social Intelligence * Research * Presentation Technologies * Leadership * Administrative Issues

Agricultural Safety and Patient Treatment Workshop for EMS Providers – Bert Baldus

IEMSA is bringing a valuable and frequently requested “hands on” workshop for pre-hospital care providers that will improve patient care for a very specific and important population, Iowa’s farmers. Join us on November 10th for this unique patient care focus, day-long workshop where you will identify the safety issues in agriculture, see the kinematics of farm related injuries with farm equipment demonstrations and use your new skills with fellow EMS professionals to provide the necessary assessment and care for these patients. You will have the opportunity to practice your skills with the guidance of experts in agricultural rescue and seasoned EMS patient care providers. With limited space in this workshop, early registration is suggested. **Click [HERE](#) for printable, complete description.**

Medical Director Workshop – Presented by the Bureau of EMS, workshop to provide Medical Directors information they need to know as they oversee EMS departments, including updates on new rules and scope of practice.

Pediatric Trauma 911 - Sarah House & David Seastrom Whether you describe it as curiosity, daring, and playing or accident, risky, and dangerous; kids will be kids. They try new things, test new limits and push themselves further with every generation. Consequences are often an afterthought, and safety is rarely considered. Whether they are toddlers trying to reach something too high, younger children trying stunts on their bicycles, or adolescents working towards a college scholarship; trauma touches everyone's lives at some point. Through a fun and interactive session, we will dive into children’s adventurous spirits to review the basics of pediatric trauma with those unique factors you often forget, discuss three types of trauma that frequently affect children, summarize pediatric trauma assessments, treatment, and prevention, and bet it all on a high stakes game of Trauma 911.

Service Director Workshop Presented by the Bureau of EMS, a workshop to provide Service Directors with the information they need to know to be in compliance with rules and regulations, and be updated with scope of practice changes and how those changes will impact their service.

Sepsis – Sarah Pandullo - At the completion of this program, the participant will be able to:

1. Define systemic inflammatory response, sepsis, severe sepsis, and septic shock.
2. Identify the signs and symptoms of SIRS, sepsis, severe sepsis, and septic shock.
3. Describe early goal directed therapy for sepsis.
4. Define the importance of early identification of sepsis.

EMS in Small Towns – Kirk Mittelman

Blast Injuries – Tracy Shaw Discuss four classifications of blast injury, list typical injuries associated with each classification, discuss mechanisms of injury associated with crush injury, describe pathophysiological changes that occur along the spectrum of crush injury, discuss complications of crush injury, and review early treatment modalities for patients with crush injury.

Advanced Airway Management -The Intubation Obstacle Course – Pete Lazzara This very popular 4 hour pre-conference workshop consist of two airway lectures that address the important issues in improving the paramedic’s comfort level when facing the next tough field tube. Following the lecture is a hands on airway lab which allows the participant an opportunity to practice under the direct guidance of the instructors. After completing the lab, the participants will enter the intubation obstacle course which is a virtual reality airway combat zone. With the use of audio and visual technology, the “IOC” will stimulate and challenge even the most seasoned paramedic. The clock will be running to determine who will be the intubation “Top Gun”.

The Phaonmneal Pweor of Cmmounaictioin – Julie Bacon

- Discuss the components of “effective communication”
- Recognize the role of conflict management in effective communication
- Identify the components of active listening
- Review case scenarios where communication challenges can have disastrous results

I’m Okay, You’re . . Tolerable As Long as You Stay Out of My Way: Getting a Grip on the Concept of Teamwork – Julie Bacon

- Define the basic concept of a “team”
- Recognize how the team is affected by generation, personality and leadership style
- Define the members of the team

- Identify how myths and truths of teamwork affect staff satisfaction and burnout

Blood Chemistry – Rosemary Adam – What do all of those values mean to you as an EMS provider? Learn the value in understanding those lab values, and how it impacts your treatment of your patient.

Coaching employees past problem behavior – Jim Miara *Improving performance and opening communication patterns with the people you work with.* Objectives: Upon completion of this class, participants will be able to

- Describe the negative impact of over-supervision and under-supervision on performance and morale.
- Describe how to open up communication between you and the people you work with allowing for increased frequency and quality of conversations regarding positive performance.
- Describe employee levels of development
- Demonstrate ability to choose appropriate leadership styles

Pediatric Transport – Sarah House & David Seasstrom Nowadays you would never dream of allowing your young children to ride unrestrained in a moving vehicle. In fact, you have probably experienced a feeling of rage as you watch a parent drive down the road with their children jumping in the back seat. As healthcare providers we know the risks and have seen the consequences first hand. Why is it with all of this knowledge and education that we do not practice as we preach when transporting children in an ambulance? In this presentation we will review the basics of child passenger safety, discuss the NHTSA Recommendations for Safe Ambulance Transport, and build on that knowledge to make good transport decisions for our pediatric patients when seconds count. **Safe Transport of pediatrics in Ambulances is a must. Come join us as learn how to reduce our liability and safely transport our peds patients.**

FRIDAY:

Love What You Do - Kirk Mitteltman Kirk has built a career and a business doing what he loves. Attitude will not produce results alone, but over the long term you can improve your teaching ability, patient outcomes and work output. Your customers, co-workers and employees will notice your attitude and passion. Improving yourself will improve your ability to deliver service and training. Whether you are a provider, supervisor or trainer you will want to consider why you should be doing your job for love first and the money second.

Mother Goose on the Loose – Pete Lazzara: The Mother Goose on the loose presentation is a select of *nursery rhymes for the EMS provider*. “Goose” looks at some common and some not so common pediatric problems. This case study style class will assist the EMS provider with improving their pediatric assessment and treatment skills.

Give Me Five – Debbie Von Seggern Assessment is the most important skill in your “EMS Tool Box”. It is the foundation of patient care. This session will take you through an easy way to memorize and then apply your assessment to almost every aspect of taking care of your patient, beyond the physical exam.

Course Objectives

- Explain the value of performing an Initial/Primary Assessment.
- Identify the components of SAMPLER history
- Identify the components of Vital Signs

Basics of Pediatric Shock –Julie Bacon

- Describe normal presentations in children, to include physical assessment and assessment of dehydration percentages
- Identify initial fluids for treatment, and pediatric specific sites of IV access
- List options for emergency IV access in children

I Missed the Warning Signs – Kirk Mittelman The call comes out, “Shots Fired!” from your partner. You are one that has been shot, what now? During your career facing death will be a part of everyday life. But we commonly think of it in terms of someone else dying. What if you are facing an armed patient, how will you react? Will you see the warning signs of a violent patient? If you miss them it could mean your life. During this session Kirk will discuss his experience with being shot and what to do if things go wrong.

And Baby Makes Two – Trauma in the Pregnant Patient – Julie Bacon

- Review epidemiology of Trauma in pregnancy
- Identify changes in pregnancy that may affect treatment of maternal trauma
- Discuss the ABC’s of Maternal trauma management
- Discuss the signs and symptoms of placental abruption, penetrating trauma and uterine rupture
- Recognize the essential time frames in performing a Perimortem Cesarean Delivery

Rave Drugs – Dancing with Death – John Todaro Rave Drugs, they have names like Special K, X. Blue Nerve, EZLay, and Nexus what are they? What do the users of Rave Drugs expect to get from taking them? What signs and symptoms are associated with their effects? What do they look like? How are they taken? When the music stops and their breathing ceases will you know what to do?

New Drugs of Abuse – Panel Discussion Synthetic marijuana up to 800 times more potent than current marijuana. Alcoholic energy drinks that contain the equivalent of nearly four standard alcoholic drinks in one container combined with enough stimulants to keep a person awake and drinking. Canned Whipped cream with 18% alcohol infused in it. Prescription medications being combined like candy. Whether responding to an auto accident, a victim of

violence or a unresponsive patient, today's drug use goes well beyond the boundaries of typical illicit drugs and can present very differently than a traditional drug overdose. Members from the Polk County Substance Abuse and Addiction Workgroup (PCSAAW) and Warren County Standing Together on Prevention (WCSTOP) will provide the latest information on current drug trends both old and new. Moderated by Mike Wenger, Certified Prevention Specialist from Employee & Family Resources, the panelist include representatives from Iowa National Guard, Drug Demand Reduction Unit, West Des Moines Police Department and Mike Rozga, father of David Rozga, a Indianola youth who 's death has been directly attributed to one of the newest drugs of abuse.

Nasal Medication Administration – John Todaro Presentation will cover the Pro/Cons, procedures and guidelines for administering medications nasally in the prehospital setting.

Oh What's the Drama, It's Only Trauma. The Basics of Trauma Assessment – Pete Lazzara This presentation will cover the kinematics of trauma and the basic of a rapid trauma assessment. The class will help the student heighten their index of suspicion by surveying the scene and determining the mechanism of injury. The class will also look at new trends in the pre-hospital care of trauma patients.

Bureau of EMS update – Get the latest information about rules and regulations, scope of practice, and the transition process for Iowa EMS providers.

Friday night lights – Kirk Mittelman we have all been there, EMS Duty at the local football game. There is nothing like a hamburger and drink from the High School Snack Shack. Until it is interrupted by the banging of helmets and mud flying in the air, when it settles the coach is motioning for EMS personnel to help quick. No matter the time of year sports are abundant and kids of all ages are subjected to forces beyond belief. What can we do as EMS professionals? The answer is simple; come to Kirk's session on High School Injuries and learn about the anatomy, physiology and mechanism of injury possible during high school athletic events. Kirk will use scenarios and case studies to discuss and demonstrate methodologies used to treat athletes participating in sporting events. Leave the hamburger at the snack shack and come work on an injury with us.

I Shouldn't Have Gotten Out of Bed This Morning – Neonatal and Pediatric Cases that will Make Your Toes Curl – Julie Bacon

- List the classic three physical findings in intussusception
- Describe the two primary congenital abdominal wall defects in the neonatal population
- Identify the radiographic findings in epiglottitis and croup
- List the AAP recommendations for non-initiation of resuscitation in the newborn

Where Have Johnny and Roy Gone? – John Todaro Program is designed to provide a

motivational discussion of EMS work ethic. An antidotal comparison of the TV shows “Emergency” and “Baywatch” is used to bring to light the changes in EMS over the last twenty (20) years and how those changes have effected the work ethic. During this process the student is exposed to Todaro’s Seven Rules for EMS Career Success, which are designed to improve and expand the users work ethic and career success.

SATURDAY:

Two Wheeled Trauma Course. The Two-Wheel Trauma concept was fashioned in early 1986 by three experienced EMS providers in rural Spencer, Iowa. Career paramedics Anita J. Bailey and Frank Prowant joined Slider Gilmore, a lifelong motorcyclist and volunteer EMT, to develop the Two Wheel Trauma program. Wayne Wierson, ABATE of Iowa State Share the Road coordinator, joined as faculty in 2005 presenting Share the Road at every Two-Wheel Trauma course. The program's sole purpose is to reduce the morbidity and mortality of motorcycle crashes through prevention and education. The three components are Rider Responsibilities, Accident Scene Management and Two-Wheel Trauma continuing education for EMS providers.

Tattoos, Tongues, Teens, & Trauma - Emergency Implications of Body Piercing/Tattooing – Scott DeBour It’s happening more & more... Though body modification has been practiced for thousands of years, seemingly only recently has it become an “epidemic,” especially among teens & young adults. This presentation, given by a flight nurse who is also a medical consultant for the Association of Professional Piercers, will review “what we really want to know” regarding body modification & implications for emergency care. Through real-life case studies, answers to questions involving airway management, defibrillation, and obstetrics will be addressed.

- This is not a new “fad”
- Piercings from top to bottom
- Beyond just piercings... scarification, branding, & more
- Emergency/critical care implications – Urban legend vs. research realities

Behavioral Emergencies, part 1 – Brian Guy

Behavioral Emergencies, part 2 – Brian Guy

The Process of Dying – Shock – Debbie Von Seggern Every living breathing creature will eventually die from the process of shock, even the little bean plant you tried to grow in the Styrofoam cup. It is our job as EMS providers to intervene and stop that process of dying.

Course Objectives

- Discuss and identify the different types of shock and their effects on the body
- Management of symptoms and signs of shock
- Understand the reasons on the type of treatment and its benefits to the patient

Street Airway Management – Pete Lazzara

Size Matters – Kirk Mittelman During this session we will explore the kinematics of gunshot

wounds along with other mechanisms of injury. How does the gunshot affect the tissue and what is the real threat to the patient.

Recreational Trauma – Debbie Von Seggern “Stupid Human Tricks” Types of Recreational Trauma. This course will show a humorous side of when “fun” goes bad. We will discuss how to manage your patient in these situations. Emphasis on the importance of scene safety and assessment skills will be sharpened.

Course Objectives

- What Types of Injuries are associated with Recreational Sports
- Understanding Critical verses Non-Critical
- How to Treat and Manage your Patient
- Prevention in your Community

Carbon Monoxide Poisoning – Chuck Gipson What causes CO poisoning, how do you recognize it, and how do you treat it? The answers might surprise you.

Complications in Transplant Patients – Angie Capps, IDN How to recognize and treat patients exhibiting signs of transplant complications.

Incident Command for Cardiac Arrest. A Team Approach – Pete Lazzara Despite all our investment in EMS, public awareness and public education survival rates for out of hospital cardiac arrest in most communities is dismal. The incident command for cardiac arrest lecture will describe ways to improve your services success rates for ventricular fibrillation and pulse ventricular tachycardia arrest. This lecture emphasis the importance of team work and getting back to basics. Each code team member’s roles and responsibilities and how you can make it work for your department will be explained

All Tangled Up – Chris Poole *High-tension cable median barrier systems are saving lives.* High-tension cable barrier systems are a fairly new safety feature being added to select stretches of Iowa highways where there is a higher occurrence of median crossover crashes. The barriers are designed to reduce median crossover crashes by keeping errant vehicles on their own side of the road. When vehicles have become entangled in the cables, emergency service providers have asked: *What do we do if there are life-threatening injuries and we can’t get to the victims because of the cables. Can the cables be safely cut to save lives?* The answer is “yes,” but cutting the cables should be a last resort. There are other options for extrication that allow the cables to remain intact and continue to save other lives. When high-tension cable barriers are cut, thousands of feet of barrier could be placed out of service until repairs can be made. [Click HERE for a printable brochure about this class.](#)

I Can’t Hear You, Speak Up –Kirk Mittelman The baby boomers and hippies have gone grey but not gone away. They are now entering the golden years and need our help. Estimates show that 60 percent of EMS calls are for geriatric patients. In this session we will look at effective methods interacting with and treating our geriatric patients.

"When In Doubt... Knock 'em Out" Pediatric Sedation & Pain Management Update –

Scott DeBour “Kids don’t feel pain... It will hurt more to give them something for pain, so let’s just get it done... they won’t remember it anyway...” Children, just like adults, do feel pain, anxiety, and fear. The utilization of appropriate sedation measures is crucial for safe and humane patient care. This session will review current sedation and pain management techniques, as well as rationales for discarding many of the "way we've always done it" techniques.

- Conscious/procedural sedation: They are deeper than you think
- Crucial preparations for sedation
- Local pain management: Start at triage
- Alternative routes of medication administration: Nasal, oral, rectal, etc
- Analgesics vs. sedatives vs. both

EMS Goes to Hollywood – Pete Lazzara: EMS goes to Hollywood utilizes clips from famous Hollywood movies to setup case studies. This presentation will take you on an Oscar award winning look at triage, abdominal distress, allergic reaction and anaphylactic shock, pain management in the pre-hospital setting, cardiology and altered mental status from trauma. Bring a bag of popcorn!