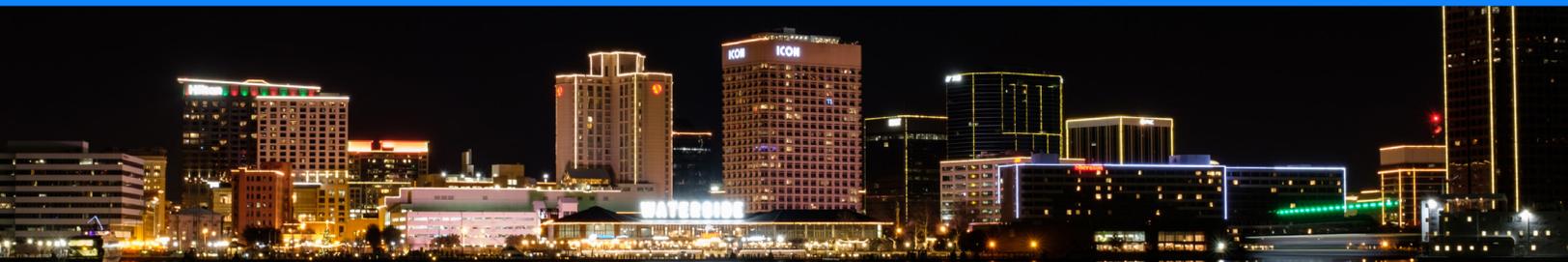




—2019— COURSE CATALOG

- More than 400 classes available
- Online registration open through October 4
- Learn more and register online at: www.vdh.virginia.gov/emergency-medical-services/ems-symposium



November 6 - 10, 2019
 Norfolk Waterside Marriott, Sheraton
 Waterside Norfolk & Hilton Norfolk The Main
 Norfolk, Virginia



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**Note - Classes are arranged by day, time and track for ease of use when planning your schedule.
Please be sure to plan for enough time to get to your classes when choosing your schedule.*

Cover Photo Credit: Waterside at night photo by Wayne Berry

Thank You Sponsors!

- Navy Region Mid-Atlantic Fire & Emergency Services
- Norfolk Fire/Rescue
- Regional EMS Councils Executive Directors Group
- State EMS Advisory Board
- Virginia Department of Fire Programs
- Virginia Department of Health
- Virginia Emergency Nurses Association
- Virginia EMS for Children
- Western Virginia EMS Council, Inc.

Registration Information

Registration Deadline - October 4, 2019

The Virginia EMS Symposium registration deadline is Friday, Oct. 4, 2019 at 5 p.m. A worksheet in the center of this catalog will help you choose your classes by day, time, category and area to help fulfill your necessary credit hours (see Symposium Course/Area quick reference sheet.) You can register online and transfer or change your class selections with the new online registration program.

Mail paper registration forms, located on pages 4 - 7, to the following address:

**Virginia EMS Symposium
1944 Peters Creek Road NW
Roanoke, VA 24017-1613**

Registration will close Oct. 4, 2019 or when 1,800 participants are registered, whichever comes first. Please keep this in mind and register early! Classes fill up quickly.

How to Register

Online - Our online registration system is quick and easy to use. Online registration is preferred and will accommodate group registration. The online registration process has many new options to assist you in the selection of course sessions that best meet your EMS educational needs.

Online registration accepts credit card and invoice payments. To register online, please visit: www.vdh.virginia.gov/emergency-medical-services/ems-symposium/. There will also be a copy of your course confirmation in your packet, which you will receive upon check-in to the Virginia EMS Symposium.

Paper Registration - Each registration must be on a separate form. To mail your paper registration form, you can use the registration sheet provided on pages 4 - 7 of this catalog or download the registration sheet from our website. When submitting a paper registration, you will pay by check, made payable to the "Virginia EMS Symposium". Payment must be included with your paper registration to successfully register. Mail all paper reg-

istrations and payment to the address in the first column. You will receive a registration confirmation, which will include your registration information and course selection via email.

Registration Questions

Web Support

If you are registering online and have technical support questions, please email the Symposium Help Desk at OEMS-AppSupport@vdh.virginia.gov.

Payment Support

If you have questions about your registration payment, please call Sandi McGrath at 866-992-3637 or email symposium@vaems.org.

General Registration Inquiries

For general Symposium registration questions, please call 804-888-9100.

Payment

Cash payments will not be accepted.

Credit Card - If you pay with your credit card, then you must register online at: www.vdh.virginia.gov/emergency-medical-services/ems-symposium/. For security purposes, credit card payments will only be accepted online.

Check - If you pay by check, then you must send your paper registration and check via mail. You may also register online and select invoice, then print the invoice and remit payment to the address in the first column. Please include the invoice number(s) on the check and make checks payable to the "Virginia EMS Symposium". Check and paper registration must be received at the same time.

Invoice - EMS agencies or organizations that pay for multiple agency personnel to attend the Symposium should have personnel register online and generate an invoice. Print the invoice after completing the registration process and submit the invoice to the paying organization. When payments for group registrations are submitted, include all invoice numbers along

with the payment. Once the payment is processed, each registrant will receive an email that includes confirmation of their itinerary.

Governmental Agencies

Individuals whose registrations will be paid for by a governmental agency may register themselves online and choose the "Invoice My Agency" option at checkout. An invoice will be created when the order is placed. The invoice must be given to the agency and the agency must include this invoice with their payment. Local, state and federal agencies may also pay for one or more individuals by purchase order on governmental letterhead. You must mail or attach to an email the purchase order with the completed registration form for each person being registered. Please submit one registration packet per person. A separate, valid email address for each registrant is required on each paper form. The registrant and agency will receive a registration confirmation via the email address provided.

Changes to Your Registration

You can now make changes or update your class schedule and registration information online. If you have submitted a paper registration and need to make a change, please contact Crystal Cuffley at 804-888-9102.

Cancellations - The symposium registration fee will be refunded if requested in writing and received at the Virginia EMS Symposium office by 5 p.m., Friday, Oct. 11, 2019. **A \$25 processing fee is charged for all cancellations.**

Additional Fees

Please read the full descriptions of the courses you are registering for, as some courses require extra fees to cover additional materials or costs associated with the course. This extra fee is noted in the description of the course, as well as on the registration page.

General Information

On-Site Check-In Times

Below are the hours that on-site registration will be open during the 2019 Virginia EMS Symposium.

Tuesday, Nov. 5, 2019, 3 p.m. - 9 p.m.
Wednesday, Nov. 6, 2019, 7 a.m. - 6 p.m.
Thursday, Nov. 7, 2019, 7 a.m. - 5 p.m.
Friday, Nov. 8, 2019, 7 a.m. - 5 p.m.

Lodging

Due to high demand during the Virginia EMS Symposium, many area hotels sell out of rooms quickly. For assistance with local lodging options, please contact the Norfolk Convention & Visitors Bureau at 800-368-3097 or www.visitnorfolk.com/.

Additionally, some area hotels may offer a special EMS Symposium state per diem rate, please ask when making your reservation. Bring your provider i.d. card, as you may be asked for it upon check in to receive the special rate. The state per diem rate is adjusted in September, so hotel rates may be subject to change.

Symposium attendees are responsible for making their own hotel reservations. If you need special accommodations, please call the hotel where you have made reservations. The Office of EMS is unable to make special accommodations for you.

Free Symposium Parking & Local Transportation

Symposium participants can park at no charge for the entire symposium at the Harbor Park baseball stadium parking lot. Harbor Park is about four blocks from the Marriott and offers plenty of safe, lighted parking. Harbor Park parking permits will be available at the parking information booth located in the symposium registration area of the Marriott. You will receive a parking permit to display on your dashboard, which can only be used at Harbor Park for the duration of symposium.

A shuttle service is being provided to take people from the Harbor Park lot to the Sheraton and the Marriott.

Below is the schedule for the shuttle bus:
Wednesday & Thursday - 6:15 a.m. - 11 p.m.
Friday & Saturday - 6:15 a.m. - 1 a.m.
Sunday - 6:15 a.m. - 2 p.m.

Please note that free parking does NOT include the parking garages. Free parking only applies to the designated area in the Harbor Park baseball stadium parking lot. More information will be available on site.

To get from Harbor Park back downtown you can walk or ride. The Tide transit bus and the Light Rail are \$2 for one trip. For more Hampton Roads Transit fares information, visit: gohrt.com/fares/bus-fares/.

Youth and Teen Camps

Youth Camp is a fast paced and fun-filled session for children ages 8 - 12. Training covers CPR, water rescue, basic first aid, personal safety, as well as ropes and rappelling. Class is limited to 25 children.

Youth classes meet from 8:00 a.m. - 5:30 p.m., Friday, Nov. 8 and Saturday, Nov. 9. **There is a \$25 fee per child attending the rescue camps.**

Teen Camp is a fast paced and fun-filled class designed for teens ages 13-17. Training covers scuba diving, ropes and rappelling, water rescue, wilderness search and rescue, and First Aid skills. This is an interactive event designed for students interested in public safety careers. Class is limited to 15 teens.

Teen classes meet from 8:00 a.m. - 5:30 p.m., Friday, Nov. 9 and Saturday, Nov. 10. **There is a \$25 fee per teen attending the rescue camps.**

Be sure to register while filling out your symposium registration form. Youth and Teen Camps are sponsored by The Fairfax County Fire and Rescue Department and the Virginia Office of EMS.

Annual Governor's EMS Awards Program and Reception

On Saturday, Nov. 9, join us in celebrating the Commonwealth's 2019 Governor's EMS Award presentation. There

is a \$10/person charge for this event and everyone is invited to attend. We'll have the EMS Memorial Tribute and the presentation of the awards.

***New this Year - The Governor's EMS Awards Ceremony will feature keynote speaker Jose Rene "J.R." Martinez!** J.R. Martinez is an American actor, author, motivational speaker and retired U.S. Army soldier. In March of 2003, Martinez was deployed to Iraq. In April he sustained severe burns to over 34 percent of his body when his humvee hit a roadside bomb. Since his recovery, Martinez has become a highly sought-after motivational speaker.

In 2008, he joined the famed cast of the Emmy Award winning daytime drama All My Children. After All My Children ran its final season, J.R. went on to surprise and inspire a nation on ABC's Dancing with the Stars.

Doors open at 6:15 p.m. The program runs from 6:45 - 8:45 p.m. Dinner will be served and limited banquet-style seating will be available. **Please note: There is a \$10/person fee to attend the awards ceremony and banquet.**

Important Symposium Policies

Cancellations - The symposium registration fee will be refunded if requested in writing and received at the Virginia EMS Symposium office by 5 p.m., Friday, Oct. 11, 2019. **A \$25 processing fee is charged for all cancellations.**

No Smoking - All symposium activities, classes, exhibits and hallways are designated strictly non-smoking. Smoking is only allowed out of the conference center. Also, please refrain from using other tobacco products in class.

No Children in Classes - In order to reduce classroom distractions, children and infants are not permitted in symposium classes.

No Admittance if Late to Class - You must be in class for the entire time designated to earn your CEUs. If you arrive late, you will not be admitted.

CEU & Course Information

CEU Worksheets

To ensure that you take the proper courses you need to obtain continuing education units (CEU), please refer to the following worksheets in the center of the catalog: BLS and ALS credit hours. If you have questions regarding CEUs, call the OEMS Division of Accreditation, Certification and Education at 804-888-9120.

Continuing Education Credit

Virginia EMS Providers - CEUs for Virginia recertification credit will be awarded, as indicated by area, topic and category, to EMS providers certified by the Office of EMS. CEUs are offered for completion of class for Categories 1 and 2. ALS and BLS topics for recertification are listed by CE subject matter, date, time and category. Category 2 applies to both ALS and BLS, unless otherwise noted.

Non-Virginia Certified EMS Providers - Upon request, Non-Virginia EMS providers will receive a document that lists the symposium programs that they attended from the Office of EMS. Requests must be made no later than December 31, 2019.

Nurses - An education record will be generated by the Office of EMS as a record of classes attended. You will be able to turn this into your professional organization or employer for CE.

OMD Registration - Physicians attending the Operational Medical Directors Workshop (**OPE-907**) are required to register for the symposium, but are exempt from paying registration and class fees for this course. Please fill out the Virginia EMS Symposium registration form and mail or register online. For more information on how to register, please see page 1.

New this Year - General Sessions!

Plan to attend general sessions, which are open to all attendees on Thursday, Friday and Saturday from 8-9 a.m.

Thursday - OPE-908 Active Shooter or Active Deadly Threat: An Approach for EMS Agencies

Terrorism, unfortunately, is a reality for many people in this world. As first

responders that reality is more prevalent than many would like to admit. The question is why? Why do terrorists do what they do? Why do they think so differently? This lecture will tackle some of those questions and more in an attempt to educate and understand this complicated topic. This lecture will be discussion based, where class participation and questions are encouraged.

Instructor: Kevin Ramdayal

Friday - HEA-610 EMS from Death's Perspective 1999-2019

For the 40th Symposium, we are bringing back a presenter from way back in the past. In 1999, Bob and the Grim Reaper presented to symposium for three years in a row, unheard of at the time. A lot has changed in 20 years, but Death is always there! What has changed in how we deal with him? How we handle death and dying is not as important as how we handle living and the stress of our jobs. Hard hitting session, sight and sound. Memorable message. Parental discretion advised.

Instructor: Robert Page

Saturday - HEA-632 "Reconnect With the Why" - Facing Provider Burnout

Join EMS legend, Randolph Mantooth (Paramedic John Gage from TV show "Emergency!"), as he shares his personal perspective of 40 years of experiences and interactions with providers and those who have suffered from provider burnout. Randy stresses the importance of recognition of burnout versus PTSD, and helping providers with reconnecting with "the why" - what motivated the provider to get involved in the first place. NOTE: "Celebrity Appearance Subject To Change"

Instructor: Randolph Mantooth

Course Information

BLS Academy - This academy offers students the ability to find all of the required BLS continuing education credits with greater ease. These courses can be identified by the course track that begins with BLS.

EMS Leadership and Management Certificate - EMS personnel are encouraged to take classes to assist in leading and managing EMS agencies. Registered attendees can earn the EMS Leadership and Management Certificate by taking a minimum of twelve (12) hours of courses

identified with a Star Of Life next to the course title. Attendees may register to receive the certificate by signing up on the 3rd Floor of the Marriott, opposite the registration area. Once attendance is verified, certificates will be distributed via email, and only upon the request of the attendee. Please direct questions regarding the EMS Leadership and Management Certificate to Tristen Graves at Tristen.Graves@vdh.virginia.gov.



Hands-on - All hands-on classes are denoted by the hand icon.



Health & Safety - This track focuses on the health and safety of EMS providers. This icon also identifies courses outside of this track that are health and safety-related.

Course Areas: All course areas will be noted in the catalog as follows: Classes in BLS and ALS category 1 will be designated with the assigned area number, for ex. BLS 11/ ALS 16. Courses in BLS and ALS category 2 will be noted as CAT 2, for ex. BLS CAT 2/ALS CAT 2.

Course Tracks

ADM - Administrative

ARV - Airway, Respiration and Ventilation

BLS - BLS Academy

CAR - Cardiac

EDU - Educator

HEA - Health & Safety

LMGT - Leadership & Management

MED - Medical

OPE - Operations

PED - Pediatric

PRE - Preconference

RSC - Rescue Camp

TRA - Trauma

2019 Virginia EMS Symposium Registration Form

1. Registration Information: Legibly print name and affiliation as you want them to appear on your name badge.

Name _____

Address _____

City _____ State _____ Zip _____

Phone: Work () _____ Home () _____

Email Address: *(Please print clearly)* _____

EMS Agency/Organization Affiliation _____

Certification Level: _____ EMR _____ EMT _____ Intermediate-99 _____ Paramedic _____ Instructor
 _____ Nurse _____ Physician Other: _____ Faculty _____ Vendor _____ Staff

Virginia EMS Certification Number _____

(You will not be registered without this info. To assure CE is awarded, all Virginia certified EMS providers must provide their Virginia EMS Certification number. If you do not possess Virginia EMS certification, then you must provide a valid email address.)

Date of Birth _____ City/County and State in which you reside _____

2. Registration Fees:

| | | |
|-------|--|----------|
| \$195 | Full registration includes: all courses held Nov. 6 - 10, 2019, class materials, breaks and special events | \$ _____ |
| \$10 | Thursday Night Social Event | \$ _____ |
| \$10 | Governor's EMS Awards Banquet and Reception (\$10/per person) | \$ _____ |
| \$265 | EDU-501 - National Association of EMS Educators Instructor Course Level 1 | \$ _____ |
| \$100 | CAR-402 - Advanced Cardiac Life Support (ACLS) for Experienced Providers | \$ _____ |
| \$248 | HEA-601 - GRIN - Group Crisis Intervention and Assisting Individuals in Crisis (ICISF) | \$ _____ |
| \$65 | EDU-518 - Advanced Moulage Techniques | \$ _____ |
| \$28 | HEA-602 - Advanced Group Crisis Intervention | \$ _____ |
| \$175 | MED-801 - Infection Control Basic Designated Officer Training Course | \$ _____ |
| \$265 | TRA-1201 - FPC Review Course | \$ _____ |
| \$50 | TRA-1202 - ASHI Wilderness Emergency Care | \$ _____ |
| \$25 | RSC- 1301 - Rescue Camp for Youth (\$25/child) | \$ _____ |

Each family is limited to two registrations for the Rescue Camp. Youth Camp participants must be between the ages of 8-12 years old to participate.

\$25 RSC- 1302 - Rescue Camp for Teens (\$25/child) \$ _____

Each family is limited to two registrations for the Rescue Camp. Teen Camp participants must be between the ages of 13-17 years old to participate.

Online Registration is Quick & Easy!

There are two ways to register:

Online and Paper Registration

3. Print Your Name

4. Check Your Classes - Limited class size is indicated with an L. Prerequisites for classes are indicated with an asterisk*. Place a 1, 2 and 3 for your first, second and third choices per time period.

Wednesday, November 6

8:00 AM - 5:30 PM

- ___ EDU 501 Day 1*
- ___ TRA-1201(L) Day 1*
- ___ ADM-101(L) Day 1*
- ___ MED-801(L) Day 1*
- ___ OPE-901(L) Day 1
- ___ PED-1001(L) Day 1
- ___ TRA-1202(L) Day 1*

8:00 AM - 5:00 PM

- ___ CAR-401
- ___ HEA-602(L)*
- ___ CAR-402(L)*

8:00 AM - 3:00 PM

- ___ ADM-102(L)

8:00 AM - 12:00 PM

- ___ ADM-103
- ___ MED-802(L)

8:00 - 11:00 AM

- ___ ADM-104(L)
- ___ TRA-1203
- ___ MED-803(L)*

8:00 - 9:30 AM

- ___ BLS-301

8:00 - 9:00 AM

- ___ ARV-201
- ___ HEA-603
- ___ TRA-1204

9:30 - 10:30 AM

- ___ ARV-202(L)
- ___ EDU-502
- ___ LMGT-701
- ___ MED-804
- ___ MED-805
- ___ PED-1002

10:00 AM - 12:00 PM

- ___ BLS-302

11:00 AM - 12:00 PM

- ___ ARV-203
- ___ CAR-403
- ___ CAR-404
- ___ EDU-503
- ___ LMGT-702
- ___ MED-806
- ___ MED-807
- ___ PED-1003
- ___ PED-1004
- ___ PED-1005
- ___ TRA-1205

1:30 - 5:30 PM

- ___ BLS-303
- ___ EDU-504(L)
- ___ HEA-604
- ___ MED-808
- ___ MED-809(L)
- ___ OPE-902(L)

1:30 - 2:30 PM

- ___ ARV-204
- ___ CAR-405
- ___ EDU-505
- ___ HEA-605
- ___ MED-810
- ___ OPE-903
- ___ PED-1006
- ___ PED-1007

3:00 - 5:00 PM

- ___ ARV-205(L)
- ___ OPE-904(L)
- ___ TRA-1206

3:00 - 4:00 PM

- ___ ARV-206
- ___ CAR-406
- ___ EDU-506
- ___ MED-811
- ___ PED-1008

4:30 - 5:30 PM

- ___ EDU-507
- ___ HEA-606
- ___ LMGT-703
- ___ MED-812
- ___ OPE-905
- ___ TRA-1207

Thursday, November 7

8:00 AM - 5:30 PM

- ___ HEA-601 Day 1*
- ___ EDU-501 Day 2*
- ___ TRA-1201(L) Day 2*
- ___ ADM-101(L) Day 2*
- ___ MED-801(L) Day 2*
- ___ OPE-901(L) Day 2*
- ___ PED-1001(L) Day 2
- ___ TRA-1202(L) Day 2*

8:00 AM - 5:00 PM

- ___ EDU-508
- ___ MED-813(L)
- ___ OPE-906
- ___ OPE-907

8:00 AM - 12:00 PM

- ___ ARV-207(L)

8:00 - 9:00 AM

- ___ OPE-908

9:30 AM - 5:00 PM

- ___ MED-814(L)

9:30 AM - 4:30 PM

- ___ MED-815

9:30 AM - 12:30 PM

- ___ BLS-304

9:30 AM - 12:00 PM

- ___ TRA-1208(L)

9:30 - 10:30 AM

- ___ ADM-105
- ___ ADM-106
- ___ CAR-407
- ___ CAR-408
- ___ EDU-509(L)
- ___ HEA-607
- ___ HEA-630
- ___ LMGT-704
- ___ MED-816
- ___ MED-817
- ___ MED-818
- ___ MED-819
- ___ TRA-1209

11:00 - 12:00 PM

- ___ ADM-107
- ___ CAR-409
- ___ EDU-510
- ___ EDU-511
- ___ EDU-512
- ___ HEA-608
- ___ HEA-631
- ___ LMGT-705
- ___ MED-820
- ___ MED-821
- ___ MED-822
- ___ OPE-909
- ___ PED-1009
- ___ TRA-1210

1:30 - 5:30 PM

- ___ ARV-208(L)
- ___ EDU-513(L)*
- ___ OPE-910(L)
- ___ TRA-1211(L)
- ___ TRA-1212

1:30 - 4:30 PM

- ___ ARV-209(L)

1:30 - 4:00 PM

- ___ TRA-1213(L)

1:30 - 3:30 PM

- ___ BLS-305

1:30 - 2:30 PM

- ___ ADM-109
- ___ ARV-210
- ___ CAR-410
- ___ EDU-514(L)
- ___ MED-823
- ___ MED-824
- ___ MED-825
- ___ MED-826
- ___ OPE-911
- ___ PED-1010(L)

3:00 - 5:00 PM

- ___ EDU-515
- ___ MED-827
- ___ TRA-1214(L)

3:00 - 4:00 PM

- ___ ADM-108
- ___ ADM-110
- ___ CAR-411
- ___ EDU-516
- ___ MED-828
- ___ MED-829
- ___ MED-830(L)
- ___ PED-1011
- ___ TRA-1215

4:00 - 5:30 PM

- ___ BLS-306

4:30 - 5:30 PM

- ___ CAR-412
- ___ EDU-517
- ___ HEA-609
- ___ LMGT-706
- ___ MED-831
- ___ MED-832
- ___ MED-833
- ___ OPE-912
- ___ OPE-913
- ___ TRA-1216
- ___ TRA-1217

Friday, November 8

8:00 AM - 5:30 PM

- ___ RSC-1301(L) Day 1*
- ___ RSC-1302(L) Day 1*
- ___ HEA-601 Day 2*
- ___ EDU-501 Day 3*
- ___ TRA-1201(L) Day 3*

8:00 AM - 5:00 PM

- ___ PED-1012(L)

8:00 AM - 12:00 PM

- ___ OPE-914(L)

8:00 - 9:00 AM

- ___ HEA-610

9:30 AM - 5:30 PM

- ___ EDU-518(L)*

9:30 AM - 12:30 PM

___BLS-307

9:30 AM - 12:00 PM

___TRA-1218(L)

9:30 - 10:30 AM

| | |
|-------------|-------------|
| ___ADM-111 | ___MED-837 |
| ___ADM-112 | ___MED-838 |
| ___ARV-211 | ___MED-839 |
| ___CAR-413 | ___OPE-915 |
| ___CAR-414 | ___OPE-916 |
| ___CAR-415 | ___OPE-917 |
| ___EDU-519 | ___OPE-918 |
| ___EDU-520 | ___PED-1013 |
| ___HEA-611 | ___PED-1014 |
| ___HEA-612 | ___PED-1015 |
| ___LMGT-707 | ___TRA-1219 |
| ___LMGT-708 | ___TRA-1220 |
| ___MED-834 | ___TRA-1221 |
| ___MED-835 | ___TRA-1222 |
| ___MED-836 | ___TRA-1223 |

11:00 AM - 12:00 PM

| | |
|-------------|----------------|
| ___ADM-113 | ___MED-841 |
| ___ADM-115 | ___MED-842 |
| ___ARV-212 | ___MED-843 |
| ___CAR-416 | ___MED-844 |
| ___CAR-417 | ___OPE-919 |
| ___CAR-418 | ___OPE-920 |
| ___EDU-521 | ___OPE-921 |
| ___EDU-522 | ___OPE-922 |
| ___EDU-523 | ___PED-1016 |
| ___HEA-613 | ___PED-1017 |
| ___HEA-614 | ___TRA-1224 |
| ___LMGT-709 | ___TRA-1225 |
| ___LMGT-710 | ___TRA-1226(L) |
| ___LMGT-711 | ___TRA-1227 |
| ___MED-840 | |

1:30 - 5:30 PM

| | |
|---------------|---------------|
| ___ARV-213(L) | ___MED-845(L) |
| ___ARV-214 | ___OPE-923 |
| ___HEA-615(L) | |

1:30 - 4:00 PM

___TRA-1228(L)

1:30 - 2:30 PM

| | |
|---------------|-------------|
| ___ADM-116 | ___LMGT-714 |
| ___ADM-117 | ___MED-846 |
| ___ARV-215(L) | ___MED-847 |
| ___CAR-419 | ___MED-848 |
| ___CAR-420 | ___MED-849 |
| ___EDU-524 | ___MED-850 |
| ___EDU-525 | ___MED-851 |
| ___EDU-526 | ___OPE-924 |
| ___HEA-616 | ___OPE-925 |
| ___HEA-617 | ___OPE-926 |
| ___HEA-618 | ___PED-1018 |
| ___LMGT-712 | ___PED-1019 |
| ___LMGT-713 | ___TRA-1229 |

2:00 - 5:00 PM

___BLS-308

3:00 - 5:00 PM

| | |
|----------------|-------------|
| ___CAR-421(L)* | ___HEA-619 |
| ___EDU-527 | ___LMGT-715 |
| ___EDU-528(L) | ___PED-1020 |

3:00 - 4:00 PM

| | |
|-------------|-------------|
| ___ARV-216 | ___MED-855 |
| ___CAR-422 | ___MED-856 |
| ___CAR-423 | ___MED-857 |
| ___EDU-529 | ___OPE-927 |
| ___EDU-530 | ___OPE-928 |
| ___HEA-620 | ___OPE-929 |
| ___LMGT-716 | ___PED-1021 |
| ___MED-852 | ___PED-1022 |
| ___MED-853 | ___TRA-1230 |
| ___MED-854 | ___TRA-1231 |

4:30 - 5:30 PM

| | |
|-------------|-------------|
| ___ARV-217 | ___MED-859 |
| ___ARV-218 | ___MED-860 |
| ___CAR-424 | ___OPE-930 |
| ___CAR-425 | ___OPE-931 |
| ___CAR-426 | ___OPE-932 |
| ___EDU-531 | ___PED-1023 |
| ___EDU-532 | ___PED-1024 |
| ___HEA-621 | ___TRA-1232 |
| ___LMGT-717 | ___TRA-1233 |
| ___LMGT-718 | ___TRA-1234 |
| ___MED-858 | |

Saturday, November 9

8:00 AM - 5:30 PM

| | |
|-----------------------|--|
| ___RSC-1301(L) Day 2* | |
| ___RSC-1302(L) Day 2* | |
| ___HEA-601 Day 3* | |

8:00 - 9:00 AM

___HEA-632

9:30 AM - 12:30 PM

___MED-861(L)

9:30 - 10:30 AM

| | |
|-------------|----------------|
| ___CAR-427 | ___MED-864 |
| ___CAR-428 | ___MED-865 |
| ___CAR-429 | ___MED-866 |
| ___EDU-534 | ___OPE-933 |
| ___HEA-622 | ___OPE-934 |
| ___LMGT-719 | ___OPE-935 |
| ___LMGT-720 | ___OPE-936 |
| ___LMGT-721 | ___PED1025 |
| ___LMGT-722 | ___PED-1026 |
| ___LMGT-723 | ___PED-1027 |
| ___MED-862 | ___TRA-1235 |
| ___MED-863 | ___TRA-1236(L) |

11:00 AM - 12:00 PM

| | |
|-------------|-------------|
| ___ADM-114 | ___MED-868 |
| ___ADM-118 | ___MED-869 |
| ___ARV-219 | ___OPE-937 |
| ___CAR-430 | ___OPE-938 |
| ___EDU-535 | ___OPE-939 |
| ___HEA-623 | ___PED-1028 |
| ___HEA-624 | ___PED-1029 |
| ___LMGT-724 | ___PED-1030 |
| ___LMGT-725 | ___TRA-1237 |
| ___LMGT-726 | ___TRA-1238 |
| ___LMGT-727 | ___TRA-1239 |
| ___MED-867 | |

1:30 - 5:30 PM

___ARV-220(L) ___CAR-431

1:30 - 4:30 PM

___MED-870(L)*

1:30 - 2:30 PM

| | |
|---------------|-------------|
| ___ADM-119 | ___LMGT-731 |
| ___ARV-221 | ___MED-871 |
| ___CAR-432 | ___OPE-940 |
| ___EDU-536(L) | ___OPE-941 |
| ___EDU-537 | ___OPE-942 |
| ___EDU-538 | ___OPE-943 |
| ___HEA-625 | ___OPE-944 |
| ___HEA-626(L) | ___TRA-1240 |
| ___LMGT-728 | ___TRA-1241 |
| ___LMGT-729 | ___TRA-1242 |
| ___LMGT-730 | |

3:00 - 5:00 PM

| | |
|-------------|----------------|
| ___LMGT-732 | ___PED-1032 |
| ___PED-1031 | ___TRA-1243(L) |

3:00 - 4:00 PM

| | |
|---------------|-------------|
| ___ARV-222 | ___MED-874 |
| ___EDU-539(L) | ___MED-875 |
| ___EDU-540 | ___OPE-945 |
| ___HEA-627 | ___OPE-946 |
| ___LMGT-733 | ___OPE-947 |
| ___LMGT-734 | ___PED-1033 |
| ___LMGT-735 | ___TRA-1244 |
| ___MED-872 | ___TRA-1245 |
| ___MED-873 | ___TRA-1246 |

4:30 - 5:30 PM

| | |
|---------------|-------------|
| ___CAR-433 | ___OPE-950 |
| ___EDU-541 | ___OPE-951 |
| ___EDU-542(L) | ___OPE-952 |
| ___HEA-628 | ___PED-1034 |
| ___MED-876 | ___TRA-1247 |
| ___MED-877(L) | ___TRA-1248 |
| ___OPE-948 | ___TRA-1249 |
| ___OPE-949 | |

Sunday, November 10

9:00 - 11:00 AM

| | |
|---------------|-------------|
| ___ARV-223(L) | ___OPE-953 |
| ___CAR-434 | ___PED-1035 |
| ___HEA-629 | ___TRA-1250 |
| ___MED-878 | ___TRA-1251 |
| ___MED-879 | ___TRA-1252 |

5. Please Select Youth Camp or Teen Camp (Limited to two children per camp):

| | | |
|-------------------------------------|--------------------|----------------------|
| <input type="checkbox"/> Youth Camp | Child's Name _____ | Date of Birth: _____ |
| <input type="checkbox"/> Youth Camp | Child's Name _____ | Date of Birth: _____ |
| <input type="checkbox"/> Teen Camp | Child's Name _____ | Date of Birth: _____ |
| <input type="checkbox"/> Teen Camp | Child's Name _____ | Date of Birth: _____ |

Emergency Contact Information for Rescue Camp Participants:

Primary Contact Name: (First) _____ (Last) _____

Primary Contact Phone: () _____

Primary On-site Phone: () _____

Secondary Contact Name: (First) _____ (Last) _____

Secondary Contact Phone: () _____

Secondary On-site Phone: () _____

6. Payment Information: Payment must accompany registration form.

Registrant's Name: _____

Enclosed is a check for \$ _____ made payable to the Virginia EMS Symposium.

Mail paper registration and check to:

**Virginia EMS Symposium
1944 Peters Creek Road NW
Roanoke, VA 24017-1613**

**All credit card payments must be submitted through the online registration process. For security purposes, credit card payments will not be accepted via mail.*

Will you be attending the Governor's EMS Awards Reception, which will be held Saturday, November 9 at the Norfolk Waterside Marriott?

_____ Yes or _____ No

of Guests (up to five additional) _____

Please note: The fee to attend the Governor's EMS Awards banquet is \$10/person.

Three Day Courses Wednesday - Friday 8:00 AM - 5:30 PM

EDU-501 National Association of EMS Educators Instructor Course Level 1

BLS CAT 2 / ALS CAT 2 / 24.0 CEU

Target Audience: All

The National EMS Instructor Courses have been designed and developed in accordance with the DOT/NHTSA 2002 National Guidelines for Educating EMS Instructors and the National Education Standards. The IC1 course represents the didactic component and practical application of the educational process for EMS educators specified in over 40 states. The course content provides an introduction to a broad span of educational theory that is heavily reliant on brain-based learning and evidence-based best practices for all levels of experience as an EMS educator.

Instructor: Laurie Davin Co-Instructors: Bryan Ericson, Connie Mattera

Prerequisites: A portion of the course (16 hrs of CE) must be completed online prior to class and includes educational materials pertinent to successful course completion.

Participants will complete a written posttest on the third day of the class, which includes information covered in class that is referenced to content in the DOT/NHTSA 2002 National Guidelines for Educating EMS Instructors & the National Education Standards found on the NAEMSE website.

Course Fee: \$265.00

TRA-1201 FPC Review Course

BLS Various / ALS Various / 24.0 CEU

Target Audience: ALS, Educators, MD, DO, RN

This BCCTPC approved review course covers the topic areas that will be tested in the Flight Paramedic Certification Exam and Critical Care Paramedic Certification. For experienced providers, you should feel comfortable with the following areas after this course: Trauma, Aircraft Safety and Survival, Flight Physiology, Advanced Airway and Neuro Emergencies, Critical Care, Toxicology, Respiratory, Obstetrics, Neonatal and Pediatrics, Environmental, Burns and Medical Emergencies. The course will be held over three days, includes handouts, will introduce providers to critical care and allow experienced providers to feel comfortable sitting for their exam.

Instructor: Christina Martinka Co-Instructors: Andrew Carver, Chris Martinka, Matt Fox, Nicole Artiss

Limited to: 27

Course Fee: \$265.00

Thursday - Saturday 8:00 AM - 5:30 PM

HEA-601 GRIN - Group Crisis Intervention and Assisting Individuals in Crisis (ICISF)

BLS 15 / ALS 20 / 24.0 CEU

Target Audience: All

This three-day course combines ALL of the content of ICISF's Assisting Individuals in Crisis & Group Crisis Intervention courses. Crisis Intervention is NOT psychotherapy; rather, it is a specialized acute emergency mental health intervention, which requires specialized training. This course will prepare participants to understand a wide range of crisis intervention services for both the individual and for groups.

Instructor: Patricia A Copeland

Co-Instructor: Chris Jett

Required Text: Assisting Individuals In Crisis. Group Crisis Intervention.

Course Fee: \$248.00

Two Day Courses Wednesday to Thursday 8:00 AM - 5:30 PM

ADM-101 EMS Officer I

BLS CAT 2 / ALS CAT 2 / 16.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

EMS Officer 1 is targeted for the entry level officer serving as the Crew Leader or AIC. Upon successful completion of this course, the student will be able to effectively manage EMS agency operations and administration. Major topics covered in this course are the role of the EMS officer, facing compliance and accountability issues of the 21st century, recognizing and managing cultural diversity, safety/wellness, TQM, interfacing with the community and media at large, functional leadership, effective communications, incident management system(s) and managing multiple casualty incidents. Students will need a computer.

Instructor: Christopher M Vernovai Co-Instructors: Chris Payne, Larry A Oliver

Prerequisite: - Minimum age of 18 - Hold a current Virginia Certification of EMT or higher - No corrective action from EMS Agency, OMD, or OEMS - Submit copies of NIMS 100, 200, 700, 800 certificates or FEMA Transcript - Review all video presentations - Complete all homework assignments - Bring a computer to class - Pre-coursework required.

Limited to: 30

MED-801 Infection Control Basic Designated Officer Training Course

BLS Various / ALS Various / 16.0 CEU

Target Audience: All

This two-day course is designed to prepare the attendee for assuming this important role. This individual is required for all emergency response agencies by Federal law (Ryan White Law- Part G). A course book is supplied to follow the training. This includes testing laws, Ryan White law, medical waste regulations, confidentiality, discrimination, job description, how to establish an effective communication system, proper post exposure medical treatment, recordkeeping and reporting requirements. This course covers childhood diseases as well as meningitis and blood borne pathogens and TB.

Instructor: Katherine H West

Limited to: 30

Course Fee: \$175.00

OPE-901 NFA: Emergency Medical Services: Functions in the Incident Command System (F166)

BLS CAT 2 / ALS CAT 2 / 16.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

Students will practice use of the Incident Command System in coordination with other public safety responders. As a follow-up to ICS-100 and ICS-200 training, this course will present scenarios requiring responders to structure their EMS resources within the guidance of NIMS ICS, as appropriate to the needs of the different incident types. Through simulation and role-playing, students will demonstrate the implementation of EMS components in an ICS system at medium or large-sized incidents.

Instructor: Robert S Ryalls

Prerequisite: ICS-100 & ICS-200, Required Text: EMS Functions in ICS.

Limited to: 30

PED-1001 Pediatric Education for Prehospital Professionals (PEPP)

BLS Various / ALS Various / 16.0 CEU

Target Audience: ALS, BLS, RNs

PEPP represents a complete source of prehospital medical information for the emergency care of infants and children. Developed by the American Academy of Pediatrics, PEPP is an exciting curriculum designed to teach prehospital professionals how to better assess and manage ill or injured children. PEPP is a comprehensive, innovative and highly visual course featuring case-based lectures, live-action video, hands-on skills stations and small group scenarios.

Instructor: Jeremy Wampler Co-Instructors: Joshua Wimer, Rebecca Anhold

Limited to: 24

Required Text: Pediatric Education For Prehospital Professionals (Pepp). ISBN-13: 9781284133035

Two Day Courses Wednesday to Thursday 8:00 AM - 5:30 PM

TRA-1202 ASHI Wilderness Emergency Care

BLS Various / ALS Various / 16.0 CEU

Target Audience: All

This course is designed for the EMS provider, scouting leader, and search and rescue personnel that will be providing care to a patient in the remote wilderness setting, i.e. camp, hiking, searching, etc. We will teach all types of medical and trauma care, including splinting, stretchers, meds and many more. There will be a lot of "On the Floor" skills, dress appropriately.

Instructor: Vernon M Frayser

Prerequisite: Each student should bring a backpack to class with what supplies they would take in the field, such as, at least "The Ten Essentials". Bring lunch and water Day 2.

Limited to: 50

Course Fee: \$50.00

Friday - Saturday 8:00 AM - 5:30 PM

RSC-1301 Teen Camp

16.0 CEU

Target Audience: Youth

Rescue Camp for Teens is a fast paced and fun-filled class designed for teens ages 13-17. Training covers scuba diving, ropes and rappelling, water rescue, wilderness search and rescue, and First Aid skills. This is an interactive event designed for students interested in public safety careers. Class is limited to 15 teens. Classes meet from 8:00 a.m. - 5:30 p.m., Friday, Nov. 9 and Saturday, Nov. 10. There is a \$25 fee per child attending the rescue camps. Registration required.

Instructor: James T Brendel

Limited to: 15

Course Fee: \$25.00

RSC-1302 Youth Camp

16.0 CEU

Target Audience: Youth

Rescue Camp for youth is a fast paced and fun-filled session for children ages 8 to 12. Training covers CPR, water rescue, basic first aid, personal safety, as well as ropes and repelling or SCUBA Diving introduction. Rescue Camp is sponsored by The Fairfax County Fire and Rescue Department and the Virginia Office of EMS.

Instructor: Todd I Barb Co-Instructors: Bryan J Nix, Erin L Bond, Evelyn G Edwards, Katherine R Murray

Limited to: 25

Course Fee: \$25.00

Wednesday Courses 8:00 AM - 5:00 PM

CAR-401 Bob's Basic Arrhythmias Course

BLS 12 / ALS 17 / 8.0 CEU

Target Audience: ALS, BLS, Educators, RN

If you follow Bob's 12 lead classes, you know how he says in Lead 2 you got no clue? Well pigs can fly! If you are just learning how to read basic arrhythmia, or you just need a refresher program before you take ACLS, or to increase your speed of recognition, this workshop is a fun way to cover all of the basic arrhythmias plus a few advanced things. This is a total immersion workshop where you will see, hear and make arrhythmias. Come spend the day with arrhythmias.

Instructor: Robert Page

CAR-402 Advanced Cardiac Life Support (ACLS) for Experienced Providers

BLS Various / ALS Various / 8.0 CEU

Target Audience: ALS, MD, DO, RNs

The goal of the ACLS EP Course is to improve outcomes in complex cardiovascular, respiratory and other (e.g. metabolic, toxicologic) emergencies by expanding on core ACLS guidelines and encouraging critical thinking and decision-making strategies. Through instruction and active participation in case-based scenarios, learners enhance their skills in the differential diagnosis and treatment of pre-arrest, arrest, and post arrest patients. The successful participant will receive an ACLS-EP certification card, which is valid for two (2) years and supersedes a standard ACLS Provider certification.

Instructor: John C Cook Co-Instructor(s): Carol A Bernier, Marlon M Rickman, Melissa K Whitney

Prerequisite: Must have a valid AHA ACLS provider card at the time of class. Must successfully complete the online ACLS provider exam (key provided, open resource) and bring certificate to class. Must pass skills testing during course to achieve certification. Required Text: ACLS for Experienced Providers (ACLS Ep) Manual and Resource Text.

Limited to: 24

Course Fee: \$100.00

HEA-602 EMS Safety

BLS 15 / ALS 20 / 8.0 CEU

Target Audience: All

NAEMT's EMS Safety course teaches students how to protect themselves and their patients while on the job. It promotes a culture of safety and helps reduce the number of on-the-job fatalities and injuries. EMS Safety is the only national, comprehensive safety course for EMS practitioners. Its interactive

format features real-life case studies and compelling discussions on current safety issues, and provides participants with a forum to share their own experiences. Critical thinking stations help build participants' risk assessment and decision-making skills.

Instructor: Paul Goulart

Prerequisite: EMS Safety is offered as an 8-hour classroom course and is appropriate for all levels of EMS practitioners, other medical professionals providing prehospital patient care, and EMS supervisors and administrators. Required Text: EMS Safety.

Limited to: 20

Course Fee: \$28.00

8:00 AM - 3:00 PM

ADM-102 Mass Casualty Incident Management I and II

BLS 15 / ALS 20 / 6.0 CEU

Target Audience: All

Mass Casualty Incident Management Module I is designed to prepare students to take appropriate initial control actions in a mass casualty incident, including performing the initial triage of patients. Mass Casualty Incident Management Module II is designed to prepare students to assume staff positions and be able to direct effective actions within the Medical Group of an incident management system. This program will be taught to the 2018 Virginia MCIM I and II curriculum, which includes both START and SALT triage methods.

Instructor: Karen Owens Co-Instructors: Frank Cheatham, Sam Burnette

Limited to: 24

8:00 AM - 12:00 PM

ADM-103 Traffic Incident Management

BLS 15 / ALS 20 / 4.0 CEU

Target Audience: All

This course addresses perhaps the most dangerous call that we go on, that being Highway Incidents. The original course was designed and presented by Federal Highway and is a nationally recognized course. Here in the Commonwealth, we have made it as Virginia-specific as possible. The course addresses all aspects of the call from the receipt of the call to any after action meetings needed. It should be required for anyone responding on roadways, interstate or otherwise.

Instructor: Benjamin F Cheatham

Wednesday Courses

8:00 AM - 12:00 PM

MED-802 Ultrasound Education for the Prehospital Provider

BLS 14 / ALS 19 / 4.0 CEU

Target Audience: ALS, Educators, MD, DO

This course is designed to introduce the prehospital ALS provider the role of using ultrasound technology. This course will teach the fundamental principles of how an ultrasound works and how this technology can aid in the diagnosis and treatment of prehospital patients. Part two of this course will teach providers hands-on techniques for using portable ultrasound technology.

Instructor: Michael J Vitto

Limited to: 30

8:00 AM - 11:00 AM

ADM-104 Writing How Reviewers' Want to Read: A Grant Proposal Writing Workshop

BLS CAT 2 / ALS CAT 2 / 3.0 CEU

Target Audience: All

Ever wonder what goes through reviewers' heads once you hit submit on a grant application? This interactive writing workshop will teach you proposal writing basics by putting you in the reviewers' seat with examples of real grant proposals. You will learn style, tone and perspective by reviewing proposals using a scoring matrix and criteria. This workshop is a must for beginners or experienced grant writers who wish to hone their skills.

Instructor: Luke Parker

Limited to: 30

MED-803 ALS Assist for BLS Providers

BLS 14 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Are you an EMT interested in learning how you can better assist your ALS Providers on scene? Often, there is a gap between what we learn in our EMT program and what is expected of us in the field. Build your confidence by coming to this hands-on class to learn more about 12-lead EKG's, and assisting an ALS Provider with various advanced airways, IV initiation, and medication administration. Skills will include: performing 12-lead EKG's, various equipment identifications, and setting up an airway or IV station for your ALS Provider.

Instructor: Kelsey J Rideout Co-Instructor(s):

Amy Cantwell, Georgie Athenry, Lori Knowles

Prerequisite: Current EMT Certification

Limited to: 24

TRA-1203 Fundamentals of Tactical Medicine

BLS 15 / ALS 20 / 3.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

This session will engage participants in a discussion about emerging concepts in tactical medicine and how they relate to civilian first responders. We'll discuss the need for application of tactical medical principles into the civilian prehospital setting and new medical paradigms that apply to civilian tactical medicine. The course is intended as an overview for those new to the field of tactical medicine as well as a discussion of the latest innovations for those familiar with the field. This hands-on session will include practice in tourniquet application and wound packing.

Instructor: Kari Jerge

8:00 AM - 9:30 AM

BLS-301 BLS Academy - Airway Management

BLS 11 / ALS CAT 2 / Other (specify) CEU

Target Audience: BLS

Offered by the teaching faculty of Tidewater Community College, this is the first class in the BLS Academy and satisfies the 1.5 hours of Airway Management required of Category 1/NCCR (2016) under the new CE requirements effective April 1, 2017.

Instructor: Frank I Signorelli

8:00 AM - 9:00 AM

ARV-201 Dangers of Bag Valve Mask Ventilation

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

Bag Valve Mask ventilation is a life-saving skill that all levels of prehospital emergency care are expected to perform, but the BVM can be a dangerous device if used improperly. Here we discuss the physiological changes when using positive pressure ventilation, the dangers of providing too frequent and too forceful ventilation, and techniques used to mitigate these dangers. Airway adjuncts, positioning, and deliberate practice techniques are examined so that BVM can be more effective with less risk of complications.

Instructor: Jonathan A Alford

HEA-603 Avoiding the Impact: Apparatus Crashes - Prevention and Lessons Learned

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

As an AIC supervisor/manager, you have a responsibility that whomever is driving the apparatus is operating it in a safe and effective manner. There are things that can only be taught by experience that should be shared and this class gives ideas and points to think about as a crew on the effects of driving. This is not your typical driver education class; it involves the entire crew!

Instructor: Dean S Thompson

TRA-1204 EMS Mythbusters - How Could I have Been So Wrong?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Over the last couple of decades, prehospital care has made some sweeping changes toward evidence-based medicine. Research has changed how we deliver prehospital care to many patients. Unfortunately, since prehospital care was founded on the idea of applying good ideas that seemed like common sense, some of the age-old skills and practices performed in EMS remain based on little more than cultural acceptance rather than research proven medicine. This session is dedicated to debunking some of these myths, some with practical demonstration and application.

Instructor: Bradley Dean

9:30 AM - 10:30 AM

ARV-202 Boyle in a Bottle

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators

This class presents some hands-on activities to illustrate and demonstrate Boyle's Law and the mechanics of ventilation. Participants will make a thorax out of a soda bottle and demonstrate negative pressure ventilation and complications from various chest conditions, such as, an open pneumothorax and flail segment. Materials will be provided to students. This activity is great for EMT, and even paramedic students, who are learning ventilation concepts.

Instructor: Jonathan A Alford

Limited to: 24

Wednesday Courses

9:30 AM - 10:30 AM

EDU-502 10 Years of Standards - Where We Are Going, Where We Have Been?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience : Educators

The first National EMS Education Standards were released in late 2008. We are now beginning the process to revise them, beginning with a new national scope of practice document. What have we learned in our transition from EMT-B to EMT? How can we continue to learn from our experience with education standards and how can we improve our classrooms and students in the future? This presentation uses a historical look at EMS education to identify issues and solutions moving forward with some predictions for the future of EMS.

Instructor: Daniel Limmer

LMGT-701 So You've Become an EMS Supervisor; Now What?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience : ALS, Administrators

As with other buddy to boss transitions, the one from field provider to field supervisor can be a challenge. However, with the right information and mindset, it can also be an opportunity for growth. Growth not only for yourself, but for your team members as well. Come join the conversation as we discuss how to be successful in your new position.

Instructor: Christopher H Jett

MED-804 Excited Delirium - a Freight Train to Death

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Historically, a naked, screaming and agitated individual standing in a roadway during heavy traffic required only police response. Law enforcement were expected to remove the subject from the roadway and take them to an appropriate facility. When force was used to subdue the subject, injuries were commonplace and EMS responded at the request of the police to treat the injuries. Medical treatment was focused upon clearing the subject for incarceration at a jail facility. Unfortunately, this scenario often resulted in the untimely and unnecessary death of the subject.

Instructor: Adam Wojciehowski

MED-805 ARDS: More Than Just Respiratory Distress

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

ARDS or Adult Respiratory Distress Syndrome is a life threatening symptom of a serious systemic insult. If improperly

managed, the ARDS patient will surely die. This presentation will look at the physiology and pathophysiology associated with ARDS and its prehospital assessment and management implications. Ventilation strategies will also be discussed in detail.

Instructor: William S Krost

PED-1002 THE MISFITS and NEO Secrets

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RN
EMS personnel are challenged daily to recognize sick patients, diagnose life-threatening illness and initiate treatment. Outside the everyday experience of managing sick patients, are children and neonates. This is a specific group of patients who often present anxiety-provoking diagnostic challenges. Neonates often present a nonspecific chief complaint or a history of symptoms that may or may not be benign. EMS personnel need to remain current on these life-threatening illnesses and their management. The mnemonic "THE MISFITS" is helpful to quickly recall these critical issues.

Instructor: Bradley Dean

10:00 AM - 12:00 PM

BLS-302 BLS Academy - Operations, Part 1

BLS 15 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

Presented by the faculty at Tidewater Community College, this is the second class in the BLS Academy and satisfies 2 hours of the required 5 hours of Category 1/NCCR (2016) under the new CE requirements effective April 1, 2017.

Instructor: Frank I Signorelli

11:00 AM - 12:00 PM

ARV-203 RSI Physiology

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RN
Rapid Sequence Intubation is increasingly available across Virginia. Most education is focused on RSI Drugs and the mechanics of tracheal intubation. This lecture looks beyond those issues to the effect that RSI has on the traumatized or critically ill, in particular the hemodynamic effects of positive pressure ventilation and oxygen carrying capacity will be reviewed in detail. Our Air-Medical Service instituted a treatment bundle to prevent hypoxia and hypotension; the results of these efforts will be reviewed. There will be plenty of time for discussion and questions.

Instructor: Asher Brand

CAR-403 "Basic" Cardiology

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

If you are an EMT and have ever wondered what was happening during a cardiac call, don't miss this presentation. This class will give basic-level EMS providers a better grasp of normal cardiac anatomy and physiology as well as a true understanding of ALS assessment and management of cardiac patients. This class can also be a great refresher on cardiac anatomy and physiology for the ALS provider.

Instructor: William S Krost

CAR-404 Different Strokes for Different Folks

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Stroke education has typically been non-specific in the prehospital world, aside from understanding neurological deficits affecting one side of the body or the other. However, strokes are so much more than that. This course will provide a comprehensive approach to stroke, including the five stroke syndromes; different methods for stroke assessment, including assessing for large-vessel occlusion; and the latest advances in stroke treatment and intervention.

Instructor: Cody G Jackson

EDU-503 Death to PowerPoint: Utilizing Technology in the Classroom

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

The student learning environment has seen significant changes in recent years. With shortened attention spans and a demand for content delivery in a way that holds a student's interest, educators have had to tailor lecture delivery. Gone are the days of flipping through slide after slide in PowerPoint. This course is aimed at helping instructors utilize various technologies in their classrooms. Tablets, smart phones and various software platforms are all discussed and will help EMS educators bridge the gap and connect to each learning style.

Instructor: Daniel J Destefano Co-Instructor: Steven Moring

LMGT-702 Conducting an Internal Personnel Investigation

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, Educators
Conducting or supervising an investigation within an agency is challenging and full of pitfalls. Besides the complicated issues of employee rights and defining wrongdoing, actually conducting an investigation is foreign to most administrators. Veteran police officer, paramedic and EMS author Dan Limmer will cover basic principles of interview,

investigation and evidence collection for the supervisor or administrator to apply in the workplace setting.

Instructor: Daniel Limmer

Wednesday Courses

11:00 AM - 12:00 PM

MED-806 Toxins on the Farm that can Kill & Associated Risk for EMS Personnel

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

There are a number of toxins on the farm that can be of danger to those exposed, including EMS personnel who arrive to the aid of those afflicted. These toxins can include such agents as pesticides, herbicides, and various by-products of farm processes (e.g., gasses). This lecture is case-based, highlighting the variety of patients that may be encountered from a farm due to toxins and the associated signs and symptoms. Potential complications will be discussed. Review of appropriate treatments will be noted, specifically emphasizing various options in prehospital pharmacotherapy.

Instructor: Christopher P Holstge

MED-807 The Slow World of Confusion - Geriatrics 3.0

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RN

In the world of the aged 65 and older, there are changes that we must understand to provide the best care. They took care of us when we were born, now it's time to pay them back. Let's learn about changing physiology and the effects it has on the elderly, basic and advanced care and learn hands-on skills that are not always taught.

Instructor: Dean S Thompson

PED-1003 Pediatric Transport in Disasters

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Are your local and regional emergency medical transportation assets ready to accommodate pediatric patients? This session will describe current capabilities and gaps, as well as lessons learned from previous disaster evacuations; focusing on the unique needs of pediatric patients. Learn how to plan for and respond to pediatric mass transportation issues.

Instructor: Adam Wojciechowski

PED-1004 Pediatric Seizures

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Seizures in pediatric population are one of the most common reasons for EMS calls/transfers. Seizures can present in a

multitude of forms, which are dependent on etiology and patient age. The longer seizures persist, the more difficult it is to control. Prompt recognition and appropriate treatment are vital in preventing permanent neurologic damage.

Instructor: Nikki M Ferguson

PED-1005 The Story of Luke, the Little but Mighty

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Managing the out-of-hospital, cardiac arrest can be a complicated event. Managing the drowning and subsequent arrest of a two-year old adds psychologically compounding complications to an already difficult situation. The lecture will discuss the management of pediatric drownings and cardiac arrest through the story of a little boy named Luke. Luke's story will educate us on the pathology of drowning, the preparation of our clinicians, and the resiliency of a little boy and his family who refuses to give up.

Instructor: Brad T Garmon

TRA-1205 Stayin' Alive Meets Another One Bites the Dust, Reprise: Case Studies in Traumatic Arrest

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This session will review case studies in adult resuscitation secondary to suspected traumatic arrest. These cases include a variety of patient scenarios based on mechanism of injury, injuries, treatments, and outcomes. Attendees will be presented with a case and guided in determining possible treatment modalities following ATLS guidelines for adult trauma resuscitation. Depending on group size, small group activities will be used for initial case discussion.

Instructor: Beth L Torres

1:30 PM - 5:30 PM

BLS-303 BLS Academy - Medical, Part 1

BLS 14 / ALS CAT 2 / 4.0 CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the third class in the BLS Academy and satisfies 4 hours of the required 6 hours of Category 1/ NCCR (2016) Medical under the new CE requirements effective April 1, 2017.

Instructor: Frank I Signorelli

EDU-504 You Can Do it Too: Psychomotor Scenario Development

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: Educators

This workshop will focus on the

development, refinement, and validation of formative and summative scenarios for use in the classroom using students and faculty. Participants will review and revise sample formative and summative scenarios to ensure that the learning objectives of the scenarios are met. After revision by presentation participants, the scenarios will be run by EMS students to see how well they evaluated the learning objectives of the scenario.

Instructor: J. Todd Vreeland Co-Instructor: Dan Limmer

Limited to: 40

HEA-604 First Responder Resilience

BLS 15 / ALS 20 / 4.0 CEU

Target Audience: All

This workshop is designed to educate participants on the types and effects of stress that confront professionals who serve in stressful occupations, as well as programmatic elements of effective help for first responders. The course employs reality-based examples that are both useful and enlightening, as well as, lessons learned from the experiences of the instructor. Participants will be provided with the necessary tools to recognize and understand the signs and symptoms of stress, to recognize the types of incidents that will need follow-up care, and effective ways for managing stress.

Instructor: Tania Glenn

MED-808 Community Based Emergency Response Seminar (CBERS) - CHEMPACK Program

BLS 14 / ALS 19 / 4.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This seminar is designed to provide attendees an overview of the CHEMPACK Program, recognition of nerve agent exposures, and awareness of the state plan. Attendees will be encouraged to return to their agencies to assist in reviewing and editing their local plan(s), assist in further developing their local training and protocols/plans.

Instructor: Patrick Ashley Co-Instructors: James Moss, Sam Burnette

MED-809 Ultrasound Education for the Prehospital Provider

BLS 14 / ALS 19 / 4.0 CEU

Target Audience: ALS, Educators, MD, DO

This course is designed to introduce the prehospital ALS provider the role of using ultrasound technology. This course will teach the fundamental principles of how an ultrasound works and how this technology can aid in the diagnosis and treatment of prehospital patients. Part two of this course will teach providers hands-on techniques for using portable

ultrasound technology.
Instructor: Michael J Vitto
Limited to: 30

Wednesday Courses

1:30 PM - 5:30 PM

OPE-902 Be The Help Until Help Arrives

BLS 13 / ALS 18 / 4.0 CEU

Target Audience: All

To improve survival after intentional mass casualty, communities must empower citizens to provide first medical care to the injured. Although programs such as, Stop The Bleed, are a beginning, hemorrhage control alone is not enough. Recent research shows that exsanguinating hemorrhage is not as significant for civilian active shooter events as it is in combat. Instead, citizens must go beyond bleeding and "Stop The Clock" on all causes of preventable death. This course provides a comprehensive framework for personal response during and in the aftermath of intentional mass casualty.

Instructor: E. Reed Smith Co-Instructors: Geoff Shapiro, Matt Dreher, Nate Hiner

Limited to: 40

1:30 PM - 2:30 PM

ARV-204 Tunnel Vision: Complex Airway Management and RSI

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, RNs

"Complex" is synonymous with the traumatically injured airway. It is common for EMS to encounter traumatic patients that present many challenges, both in securing and maintaining the airway. This presentation focuses on the complexities surrounding difficult intubations in the setting of poor anatomy, respiratory compromise, pathology, and other causes that lead to failed first pass attempts. Whether simple or complex, looking beyond "passing the tube" and focusing on the big picture increases induction success. Come fight tunnel vision and learn about increasing your skills in our most difficult patient populations.

Instructor: Brad T Garmon

CAR-405 Don't Give Up on Me Yet -- Chronic Kidney Disease & Cardiovascular Events: What to Do, When, and Why

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This presentation describes the risk chronic kidney disease patients face for experiencing potentially life-threatening cardiovascular events. Participants will

learn important history questions to ask to guide diagnosis and treatment. The session covers a discussion of patient assessment and interventions for fluid and electrolyte imbalances, based on type of dialysis as well as special considerations when resuscitating and providing post-resuscitation care. The participant will learn the science behind the treatment plan. A detailed case study chronicles a CKD patient from a prehospital cardiac arrest, through post-resuscitation care, including therapeutic hypothermia.

Instructor: Beth L Torres

EDU-505 Stay Out of the Tunnel

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, All, BLS, Educators, MD, DO, RNs

Imagine you walk into a room and see your patient bleeding but at this time you don't know why. We have all done this and not seen that the patient may not be breathing. We as providers need to be alert to not only all of the patients' symptoms but also to our surroundings. This course will cover some suggestions on not having tunnel vision, not only with your patient, but also to what is around you.

Instructor: Daniel Frazier

HEA-605 EMS Culture of Safety: Not Your Grandpa's Rescue Squad

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

For so long, the only safety priority in our EMS culture was "scene safe, BSI...". There was never much thought put into operational safety and safety considerations for our patients. This course will discuss the EMS Culture of Safety related to crew resource management, the idea of Just Culture and its application in a case presentation, and the opportunities for reporting of safety events, "near-misses," and best practices for the improvement of the delivery of EMS care.

Instructor: Cody G Jackson

MED-810 Articles of the Year: OMD Roundtable

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

John Morgan, Reed Smith, Allen Yee and Asher Brand will each present their choice for "EMS Article of the Year". After the brief presentation, a lively discussion about the article will be held to include audience participation and questions. The fifteen minutes per article and discussion on clinical issues that surround it are sure to be a great learning opportunity for all involved!

Instructor: Asher Brand Co-Instructors: Allen Yee, John Morgan, Reed Smith

OPE-903 Firestorm! A look from a Healthcare Perspective

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This session will review the trials and tribulations of the 2017 and 2018 Northern California Wildfires that scorched over 500,000 acres and killed over 125 people. We will dive into the point of view from a healthcare experience and how the incident was managed. Lessons learned from EMS, Healthcare, and Emergency Management industries will be examined.

Instructor: Adam Wojciehowski

PED-1006 Fatality Facts: A Trends Analysis of Mortality Rates and Causes of Death in Virginia's Children

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Infant and child mortality rates are critical indicators used to determine not only a community's maternal and child health, but also the overall health of a population. This workshop will provide attendees a comprehensive overview of child mortality trends in Virginia. Through an exploration of the data collected by the Office of the Chief Medical Examiner (OCME), this workshop will explore trends in the causes and manners of death of Virginia's children, and highlight emerging areas for intervention and prevention strategies.

Instructor: Jane C Tingley

PED-1007 Pediatric Traumatic Brain Injury

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Pediatric Traumatic Brain Injury (TBI) is a leading cause of morbidity and mortality in children. Understanding the pathophysiology underlying the initial injury and possible secondary injury (due to hypoxia, hypotension, etc) are critical to caring for these patients. The initial resuscitation period is key in preventing these potential secondary injuries and potentially improving the likelihood of a good outcome.

Instructor: Nikki M Ferguson

3:00 PM - 5:00 PM

ARV-205 The BLS Ventilation and Oxygenation Lab

BLS 11 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS, Educators, RNs

This session will start with a lecture on oxygenation and ventilation, including the anatomy (airway geometry), mechanics and chemistry behind it. We will then transition to hands-on stations that will include ventilation, oxygenation,

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airway application and BLS capnography. The student will also be able to walk away with a big picture of understanding how and why different devices, procedures and actions work.

Instructor: Christopher M Kroboth Co-Instructors: Donna Speakes, Duane Tenney, Jon Bailey

Limited to: 40

Wednesday Courses

3:00 PM - 5:00 PM

OPE-904 Fatality Review: A Model for Saving Lives and Improving Public Health and Safety

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Fatality review is a nationally recognized method for understanding how and why people die - the goal of which is to reduce those deaths. This workshop will feature an overview of the philosophy, principles, and process of fatality review, including considerations for reviewing cases of child deaths and deaths due to domestic violence. Through observation of a mock review, attendees will gain an understanding of how fatality review teams work to accomplish their goals, and how to get involved in existing local efforts.

Instructor: Jane C Tingley

Limited to: 40

TRA-1206 Hot Trends in Trauma: TXA, Ketamine, and Tactical Medicine

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, MD, DO, RNs

This presentation will engage attendees in a discussion about emerging trends in prehospital trauma care. We will review the indications, dosing, and evidence for TXA in coagulopathic trauma patients. Next, we will discuss the challenges related to pain control and why ketamine is an ideal agent with multiple indications in trauma care. Finally, we will discuss the emergence of tactical medicine and the urgent need to translate combat medical principles into the civilian prehospital environment.

Instructor: Kari Jerge

3:00 PM - 4:00 PM

ARV-206 Navigating through Minefields: Post Intubation Considerations

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

The intubated patient is a minefield. This is an important reality to understand especially when we choose to stop a patient who was previously breathing from

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providing their own respirations. At times, what occurs after intubation can lead to the greatest improvement or deterioration of our patients. We will discuss the complexities of breathing for our patients, and how many conditions and injuries can complicate our care or harm our patients if they are not quickly identified.

Instructor: Brad T Garmon

CAR-406 BLS-ALS Assessment of Chest Pain

BLS 12 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This session uses a case study to delve into the initial assessment and management of a patient experiencing chest pain. A brief overview of cardiac anatomy and physiology related to acute coronary syndrome is provided. Participants work through the case study using the OPQRST acronym for assessment. Interventions covered include medications and 12 lead ECG acquisition. This session is geared more towards the novice provider, but is applicable to all providers.

Instructor: Beth L Torres

EDU-506 Educator Roundtable - EMT and BLS Programs

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Back by popular demand - and expanded! Bring the ideas and tools that have made your classes better - and you'll leave with more than you brought. Guaranteed! This one-hour session will focus on best practices and tricks-of-the-trade for running and teaching EMT and other BLS-level courses. ALS level programs will be discussed in a separate session. Sign up for both!

Instructor: William R Akers

MED-811 Penicillin on the Half Shell: Prehospital Management of Anaphylaxis

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

Although anaphylactic reactions are relatively uncommon, when they do occur, death may result within minutes. This session will discuss the normal physiology and the pathophysiology of immune response and identifies current trends in the prehospital management of anaphylaxis. There will also be a review of the current research and trends in the identification and management of anaphylaxis.

Instructor: William S Krost

PED-1008 Trauma-Informed Care

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This course describes the pivotal ACEs study linking Adverse Childhood

Experiences to multiple poor mental and medical health outcomes. The neurobiological effects of childhood trauma and the field of epigenetic will be discussed so the listener will have an appreciation for the importance of identifying trauma in an individual's past and avoiding re-traumatizing that person. Healthcare providers' vulnerability to trauma will be explored as well as methods for building their resilience.

Instructor: Susan W Jones

4:30 PM - 5:30 PM

EDU-507 Educator Roundtable - ALS Programs

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Back by popular demand - and expanded! This one-hour session will focus on best practices and tricks-of-the-trade for setting up, administering and teaching Advanced EMT and Paramedic courses. Bring the ideas and tools that have really made your classes better - and you'll leave with more than you brought. Guaranteed! EMT and BLS level programs will be discussed in a separate session. Sign up for both!

Instructor: William R Akers

HEA-606 Fight the Feeling

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

In today's world there are more and more of our co-workers dying. As EMS providers, some feel the guilt of not recognizing the signs of those who may take their own life. EMS providers also wonder why they survived. Find out some of the reasons why our profession has had an increase in suicide and recognize some of the signs. Find out why you may have survivor's guilt and learn from someone who has experienced PTSD and the steps he took to get past it.

Instructor: Daniel Frazier

LMGT-703 The Big Event: Can You Afford It?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

Navy Fire and Emergency Services coordinates closely with mutual aid and other community partners on a reciprocal basis, providing EMS for on-base events like the NAS Oceana Air Show (with about 300,000 attendees), carrier battle group homecomings, concerts, and assists municipal partners with their events like marathons, 4th of July celebrations and Op Sail. The course provides an overview of the variables that influence an event's risk profile, and discussion of options for staffing and cost recovery, command

and communications, with emphasis on meticulous planning and utilizing community partnerships.

Instructor: John K Janney

Wednesday Courses

4:30 PM - 5:30 PM

MED-812 SPM - Bariatric Emergencies

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher

Bariatric procedures have increased 400 percent in the past decade. Public safety professionals are tasked with simple but complex responses of calls for service relating to the safe patient mobility (SPM) of bariatric patients. This presentation will address the common challenges, call makeup and requirements for pre-planning when treating the morbidly obese.

Instructor: Adam Wojciehowski

OPE-905 Expect the Unexpected: Dangers of Helicopter Landing Zone Operations

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

When utilizing HEMS agencies to assist with patient transport, we all recognize there are risks associated with helicopter landing zones, like trees and power lines. However, there are far more risks associated with helicopter operations at the scene that we may not initially consider. This course will look at those 'not in the playbook' situations that can prove to be just as dangerous and ways to mitigate the associated risks to ensure safety for not only the flight team, but also the patient and first responders on the ground.

Instructor: Cody G Jackson

TRA-1207 A New Paradigm in Trauma Resuscitation

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS Educators, MD, DO, RNs

In the world of EMS, trauma resuscitation has classically been cookie cutter medicine. This session will look at the current science and recommendations for fluid replacement therapy, trauma specific pharmacology and new strategies in resuscitation. The discussion will include volume resuscitation: drugs from Ketamine to TXA, and sedation and pain management. We will also highlight new technologies and resuscitation strategies, including the Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA).

Instructor: William S Krost

Thursday Courses

8:00 AM - 5:00 PM

EDU-508 EMT Flipped Classroom

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: Educators

A flipped classroom is designed to help educators shift from the role of lecturer to the roles of guide and facilitator. It allows traditional instructor-centered-classrooms to transform into student-centered learning environments, where instructors can provide individual mentoring to each student. This course features student-directed courseware, including problem-solving activities, peer-to-peer activities and student coaching with competency checks throughout. Sponsored by Jones and Bartlett and featuring David Page and Heather Davis, this is a 'must-course' for seasoned and new educators.

Instructor: David I Page

Co-Instructor(s): TBD

Class Format : Lecture and Practical

MED-813 Safely Addressing Violent Encounters (S.A.V.E.)

BLS 13 / ALS 18 / 8.0 CEU

Target Audience: All

Although more than five percent of calls for help involve a violent patient, little training is provided to effectively address this growing problem. This hands-on, interactive program will outline the needed skills to not only identify a violent scene, but also discuss simple techniques that can easily be applied to any aggressive person. Based on a foundation of medically accepted and liability conscious practices, S.A.V.E. will teach you how to safely control violent patients in need of medical treatment and how to defend yourself and your partners against unexpected assaults.

Instructor: Shawn Tompkins Co-Instructors: Robery Poresky

Limited to: 24

OPE-906 Certified Ambulance Documentation Specialist (CADS)

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

The Certified Ambulance Documentation Specialist (CADS) course is a certification program designed to standardize and improve EMS documentation training in the United States and is applicable to all levels of EMS providers. This is the only national EMS-specific documentation certification program in the U.S. Participants receive on-site, permanent

certification upon completion of the course.

Instructor: Doug Wolfberg

OPE-907 Operational Medical Directors Workshop

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: MD, DO

This class will cover new developments in patient care, rules and regulations, and EMS management for operational medical directors. Emphasis will be given to examining the evidence base supporting patient care guidelines in EMS as well as Virginia-specific developments. This course will count towards requirements for re-endorsement as an EMS physician, and CME will be offered.

Instructor: George Lindbeck

8:00 AM - 12:00 PM

ARV-207 Airway and Resuscitation Lab

BLS CAT 2 / ALS 16 / 4.0 CEU

Target Audience: ALS

Some of the most stressful calls in EMS are ones in which lifesaving skills are utilized. The calls are of low frequency, and skill degradation can be a factor. This lab will provide hands-on training on managing airways and honing resuscitation skills. Students will practice and perform maneuvers on difficult airways, surgical airways and resuscitation techniques. The hands-on session also includes left ventricular assist devices. Students will have opportunities to get hands-on with the latest technology.

Instructor: Allen Yee Co-Instructors: Dillard E Ferguson

Limited to: 30

8:00 AM - 9:00 AM

OPE-908 Active Shooter or Active Deadly Threat: An Approach for EMS Agencies

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Terrorism, unfortunately, is a reality for many people in this world. As first responders that reality is more prevalent than many would like to admit. The question is why? Why do terrorists do what they do? Why do they think so differently? This lecture will tackle some of those questions and more in an attempt to educate and understand this complicated topic. This lecture will be discussion based, where class participation and questions are encouraged.

Instructor: Kevin Ramdayal

Thursday Courses

9:30 AM - 5:00 PM

MED-814 ACLS for EMT Basic Providers

BLS 12 / ALS CAT 2 / 6.0 CEU

Target Audience: BLS

This exciting, hands-on course is scenario-based on the ACLS guidelines and the code is worked by EMT basics using tools that they are allowed to use, AEDs, CPR, Supraglottic airways, etc. Although it is not a certified ACLS course where you take a test at the end, you could be recertified in CPR (BLS) if necessary. This is a simulator driven course where teams of providers rotate roles to perfect the teamwork, communications and timing to near perfection! Come join the fun!

Instructor: Robert Page

Limited to: 24

9:30 AM - 4:30 PM

MED-815 Carcinogen Reduction and Cancer Risk Reduction/Prevention and Care of Firefighter Burn Injuries

BLS 14 / ALS 19 / 6.0 CEU

Target Audience: ALS, BLS, Educators

This two-part program will discuss Carcinogen Reduction and Cancer Risk Reduction, as well as burn prevention to firefighters. We will discuss methods and best practices to reduce the exposure to carcinogens encountered in firefighting that are leading to a very high rate of cancer within the fire service. These best practices can be done before, during, and after the responses, some at little to no cost. Also, we will discuss firefighter PPE and how its misuse can lead to an increased risk of burns to the firefighter.

Instructor: Steven Weissman Co-Instructors: Briant Atkins

9:30 AM - 12:30 PM

BLS-304 BLS Academy - Operations, Part 2

BLS 15 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the fourth class in the BLS Academy. This course will satisfy three of the five hours required for Operations, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.

Instructor: Frank I Signorelli

9:30 AM - 12:00 PM

TRA-1208 Stop the Bleed - The Virginia Trauma System; Training Providers to Train Others in Their Communities

BLS 13 / ALS 18 / Other (specify) CEU

Target Audience: All

Launched in October of 2015 by the White House, Stop the Bleed is a national awareness campaign and a call to action. Trauma centers throughout Virginia are coming together to offer this program for all EMS providers with the hope they will then return to their communities to continue to cultivate this grassroots effort. We believe lay providers through the Commonwealth should be prepared to save a life by controlling hemorrhage. We hope to train 800 providers in Norfolk in 2019!

Instructor: James H Gould Co-Instructors: Basil Asay, Dr. Alan Rossi, Gregory Neiman, Karen Shipman, Katherine Challis, Kenneth Williams

Limited to: 60

9:30 AM - 10:30 AM

ADM-105 Child Sex Trafficking

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

One in 10 people will be sexually abused by age 18 and the average age of sex trafficking victims reported to NCMEC is 15. This course, presented by the National Center for Missing and Exploited Children (NCMEC), will cover information on signs and symptoms associated with victims, how to assess and report victims and resources available to trafficking victims.

Instructor: Meagan Clark

ADM-106 Tips and Tricks for Managing Grants

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

What is the best way to grow grant support for your agency? First, you have to find them; then, steward them to show funders you care. This lecture will equip you with the knowledge, and tools to find, communicate, and report grants for your agency. The instructor combines concepts from sales, marketing, and fundraising to offer insight into the activities surrounding the submission of a grant proposal. Plan on taking this class if you want to learn how to find and steward grants.

Instructor: Luke Parker

CAR-407 ACLS Pharmacology

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RN

This session covers the medications commonly delivered as part of Advanced Cardiac Life Support (ACLS) resuscitation and treatment. Participants will learn the what, when and how of medication administration. The discussion and scenarios presented will also aid in learning when to give what medication and explain how the medications work in the body. This session serves as a good review for the novice and experienced providers.

Instructor: Beth L Torres

CAR-408 Aortic Emergencies from Anatomy to Critical Care Management

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Aortic dissection and aortic aneurysm are two distinct diseases with different causes and radically different treatments. This presentation will review major diseases of the aorta featuring review of the pathophysiology, EMS treatment priorities and definitive care. The presentation includes graphics and photographs, but is "PowerPoint-light" with plenty of time for audience participation and discussion.

Instructor: Asher Brand

EDU-509 Teaching into the Millennium and Beyond

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, RNs

Have you and your team been struggling lately with today's students and new-hires? Ever noticed what drives today's learners is vastly different than the past? Things like relatability, engagement and experience are a must to prepare them for life after school. We will break down generational learning differences, how to engage learners, teaching and deploying consequential learning models and the art of recovery in your classrooms and scenarios.

Instructor: Christopher M Kroboth

Limited to: 30

HEA-607 Striving for 25: Developing Resilience for Your Career

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

The purpose of this course is to introduce responders to the concept of resilience and to teach the skills necessary to develop a more resilient responder that will be able to better handle the inherent job-related stress that comes from emergency services. By developing these skills, it is my hope that we can reduce the number of responder suicides and live by the motto, everyone goes home.

Instructor: David Wiklanski

Thursday Courses

9:30 AM - 10:30 AM



HEA-630 By Understanding Adverse Childhood Experiences (ACEs), EMS Workers Can Improve the Health and Safety of Patient Populations

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Nearly 70% of our population has experienced one or more Adverse Childhood Experiences (ACEs). These experiences leave many people more volatile and hyper vigilant in the kind of high stress situations EMS workers often encounter them in. This session will help participants understand the impact ACEs have on the patients they may encounter, and how to reduce the chances of re-traumatizing them and potentially increasing the chances of violence or injury.

Instructor: Keith Cartwright



LMGT-704 C.O.D.E. B.L.U.E Leadership

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This leadership principle will provide an acronym easily identified and employed by supervisors and persons of all leadership rank and experience. C.O.D.E. B.L.U.E. Leadership is a method and improvement tool that has zero associated costs to a department. The principle is a behavior, an idea, and a method for leaders to provide consistent direction and continued observation of employees. By utilizing visual, auditory, and kinesthetic learning models the research will show that C.O.D.E. B.L.U.E. Leadership is an easily used concept for leaders of all experience and education levels.

Instructor: Robert D Drake

MED-816 Riding the Waves: Prehospital Ultrasound

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

The utility of ultrasound (US) is ever expanding. Today we have inexpensive, portable devices, which makes it hard to justify not having them on every truck or aircraft in the country. In this lecture, we will spend time talking about ultrasounds use in resuscitation and as an adjunct to the performance of procedures. US can be used to determine if a patient is likely to crash or the reason why a patient is actively crashing. US can also be used to ensure procedures are performed safely and accurately.

Instructor: William S Krost

MED-817 Ketamine for Pain Management

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, MD, DO, RNs

The challenge of treating pain in the prehospital setting is to use medications that are not only effective but also safe and do not lead to physiologic compromise. If you're still unsure about Ketamine and its role in pain management, here's the down and dirty that will leave you with a sure understanding of the role that Ketamine can and should play in treating pain. Learn why - from a physiologic, social and safety standpoint, it stands to be one of the very best options - if given a chance.

Instructor: Sally Kraut

MED-818 This Presentation is Brought to You by the Letter G: Understanding the Physiology of Sugar & Pathophysiology of Diabetes

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators

This presentation will explore the movement of sugar into cells and the important hormones which assist in that movement. We will look at the process of diabetes mellitus and the pathophysiology associated with sugar metabolism and sugar imbalance and how both low and high levels of sugar affect the brain and other tissues of the body.

Instructor: Jeff McDonald

MED-819 Now I Lay Me Down to Sleep - Case Studies in Suicide

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Calls involving suicide or attempted suicide are challenging calls for any level of EMS provider. While the medical care of the patient is usually clear cut, the psychiatric emergency care is less concrete, leaving EMS providers feeling unsure of the right thing to do. This presentation uses actual case studies to examine the physical and psychological aspects of suicide and attempted suicide. Risk factors, suicide plans, repeat suicide attempts, and the treatment for suicidal patients will be discussed.

Instructor: Daniel Limmer

TRA-1209 The First Few Moments: Critical Decisions

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Part of the First Few Moments program, CRITICAL DECISION addresses two of the most important decisions that a responder must make: when to rapidly extricate a patient and what treatment is vital to their survival. Students are introduced to a problem-based patient assessment algorithm designed for these

situations that helps them make these decisions based upon a solid assessment of the scene and patient. Class will be held off site and participants will be transported off site for class.

Instructor: Kyle D Bates

11:00 AM - 12:00 PM

ADM-107 Does Anyone Read My PCR; Why Does it Matter What I Report?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Ever wonder why you have to fill out electronic patient reports and send them to the state? Why do they care what I did for my patient? Wonder no more. This course will show how EMS data is being used to improve how we practice in the field.

Instructor: Tim Erskine

CAR-409 Stayin' Alive Meets Another One Bites the Dust: Case Studies in Resuscitation

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

This session will review case studies in adult resuscitation. Five case studies will be presented. These cases include a variety of patient scenarios and outcomes and incorporate the ordinary and not so ordinary patient presentation. Attendees will be presented with a case and guided in determining possible treatment modalities following the American Heart Association guidelines for adult resuscitation. Case presentations include cardiac monitoring strips and/or 12-lead ECG strips. Depending on group size, small group activities will be used for initial case discussion.

Instructor: Beth L Torres

EDU-510 Flipped Classroom 2.0: How to Make the "Flip" Stick

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

You've implemented a flipped classroom model. There have been "ups and downs" and the students seem like they'd rather just have the information handed to them. How do you get past implementation to meaningful, long-term success with a flipped or hybrid class model? This webinar will discuss practical and implementable strategies ranging from classroom psychology to educator and student buy-in to the process. We've moved past the buzzword stage. It is now time to make the "flip" stick.

Instructor: Daniel Limmer

Thursday Courses

11:00 AM - 12:00 PM

EDU-511 Less Talk, More Walk!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, Educators, MD, DO

The course will discuss how to use simulation and stratified debriefing to help close the loop on foundational paramedic education. The basis of the presentation will be how to help students build their Rolodex of experience through active simulation with real-time metrics and hands-on training. This approach to paramedic education can be applied to any EMS classroom, ranging from continuing education and staff meetings to medical director QA/QI remediation. We will discuss our success in the entry level paramedic classroom, QA/QI remediation and agency internship.

Instructor: Christopher M Kroboth

EDU-512 EMS Educator Ethics, Lessons From Those that Slipped

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: Educators

This presentation will review the requirements of EMS Educators and their ethical obligations to those they teach, and those they serve. The interactive presentation will post ethical questions and allow audience participation in identifying the level of the ethical failure based on true-life scenarios from educators across the country.

Instructor: Jeff McDonald



HEA-608 Check Your Attitude at the Door

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

There are calls all of us have gone to where the situation progressed to a point of potential violence or misunderstanding by the patient just from the way you have presented yourself. In this presentation there will be scenarios to discuss how the situation could turn out and some of the best ways to handle those types of situations.

Instructor: Daniel Frazier



HEA-631 How Adverse Childhood Experiences Impact the Physical, Mental and Emotional Health of EMS Providers

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Adverse Childhood Experiences (ACEs) are common among Emergency Medical Service (EMS) workers. Given the often traumatic environments they work in, EMS workers are constantly at risk of reliving their own traumas. This sessions will help

EMS workers understand the impact of ACEs on their personal and professional lives, and encourage them to develop and practice healthy self-care plans.

Instructor: Keith Cartwright



LMGT-705 THE LUCKY 13: Are They Lessons or Luck When You Are The New Officer?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation is focused on providing newly promoted and aspiring company officers with lessons learned. Officer development is a vital foundation to every leader, company, and department. The Lucky 13 will be thirteen lessons the presenter encountered during his first year as an Engine Company Lieutenant. Lessons are learned the hard way and sometimes even through luck. This course will provide examples of successes and challenges new leaders may face during the first year, all while developing a foundation or building off an existing one for the future.

Instructor: Robert D Drake

MED-820 Back to Nature - When It's Dangerous to Live Off the Land

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Unless you won "Survivor", you may not be able to readily identify edible from harmful plants and mushrooms. If you are interested in foraging for food, or care for patients who do, then this presentation will help you avoid the dangerous and potentially dangerous plants and mushrooms lurking in the forest, or in your yard.

Instructor: Rutherford Rose

MED-821 Load and Go? Not Just Yet...

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Sometimes patients don't fit neatly into the "Load and Go" or "Stay and Play" models. In fact, some of the sickest patients may need immediate stabilization prior to even removing them from the scene. Join us for a discussion on recognition and care of those that could benefit from remaining on scene to decrease the chances of coding during transport.

Instructor: Jeffrey D Ferguson

MED-822 Neuro Critical Care

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

This session will discuss assessment and management strategies for neurological emergencies within the first 24 hours. The cases included within this presentation come from those encountered in a Mobile Stroke Unit. The content will be applicable

for Basic-level providers through the most advanced. Will Krost has been a paramedic and associate medical director for the 3rd Mobile Stroke Unit in the country.

Instructor: William S Krost

OPE-909 Active Killer: Preparation, Response and Recovery

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Nothing in this world can adequately prepare you for an active killer response. The victims, the devastation, and the impact on your own health. Join me for this interactive discussion to address the history of active killers, the complex psychological needs of the responders both during and post-incident as well as how we can engage in community risk reduction and train the public to not be victims.

Instructor: David Wiklanski

PED-1009 KIDz: They're Only Scary at Halloween

BLS 14 / ALS 19 / 1.0 , Other (specify) CEU

Target Audience: ALS, BLS, RNs

Many EMS providers feel very uneasy with pediatric calls, but they shouldn't. If the provider understands the physical and cognitive developmental milestones while utilizing a pediatric assessment tool they should be able to quickly determine the nature of illness. This presentation will address these as well as discuss one of the most common reasons 911 is activated: respiratory complaints.

Instructor: Kyle D Bates

TRA-1210 Trauma Triage - Put Your Brain in the Game!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Trauma care isn't just diesel and Jet-A anymore. TXA, hypothermia management, antibiotics, blood transfusions, airway management and bleeding control are reviewed. The concept of the "lethal triad" is explained and is used to structure an approach to out-of-hospital trauma management. Several case studies will be presented, and audience participation is encouraged.

Instructor: Asher Brand

1:30 PM - 5:30 PM



ARV-208 Airway and Resuscitation Lab

BLS CAT 2 / ALS 16 / 4.0 CEU

Target Audience: ALS

Some of the most stressful calls in EMS are ones in which lifesaving skills are utilized. The calls are of low frequency, and skill degradation can be a factor. This lab will provide hands-on training on managing

airways and honing resuscitation skills. Students will practice and perform maneuvers on difficult airways, surgical airways and resuscitation techniques. The hands-on session also includes left ventricular assist devices. Students will have opportunities to get hands-on with the latest technology.

Instructor: Allen Yee Co-Instructors: Dillard Edward Ferguson

Limited to: 30

Thursday Courses

1:30 PM - 5:30 PM

EDU-513 You Can Do it Too: Certification Style Exam Question

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: Educators

This workshop will focus on the type of questions used on a certification exam, and how to create them using groups of subject matter experts. Participants will review the NREMT Practice Analysis Test Plan, National EMS Education Standards and resources used by the NREMT when developing exam content. Participants will review and revise sample questions applying the information from the above review similarly to how certification agency conduct their Item Writing/ Review meetings.

Instructor: J. Todd Vreeland Co-Instructors: Dan Limmer

Prerequisites: Participants are required to download/print a copy of the following: NREMT Practice Analysis Test Plan found online: <https://content.nremt.org/static/documents/2014%20NATIONAL%20EMS%20PRACTICE%20ANALYSIS.pdf> National EMS Education Standards found online: www.ems.gov/pdf/National-EMS-Education-Standards-FINAL-Jan-2009.pdf American Heart Association 2015 AHA Guidelines for CPR and ECC found online: <https://eccguidelines.heart.org/index.php/circulation/cpr-ecc-guidelines-2/>

Limited to: 40

OPE-910 Counter Terrorism Preparation and Tactics

BLS 15 / ALS 20 / 4.0 CEU

Target Audience: All

This session will be both didactic and practical. The goal will be to familiarize yourselves within the counter-terrorism realm in order to prepare you and your agency to respond to an Active Shooter or any incident of aggressive deadly behavior. At the conclusion of the session, you will have the basic tools needed to react and make a decision if placed in a similar situation.

Instructor: Kevin Ramdayal Co-Instructors: Daniel Conforti, Gregg Brady, Jason Torres, Kevin Mahoney, Michael Cook

Limited to: 45

TRA-1211 Advanced Skills Lab

BLS CAT 2 / ALS 16 / 4.0 CEU

Target Audience: ALS, RNs

In this advanced skills lab we will discuss the anatomy/physiology, indications/contraindications and practice the following procedures: needle, surgical and percutaneous cricothyrotomy, pericardiocentesis, and finger, needle, and tube thoracostomy. Skills taught in this station may only be routinely performed if they are within your scope of care and with medical direction permission.

Instructor: Brad Fields Co-Instructors: Cody Jackson, Justin Miles

Limited to: 12

TRA-1212 Initial Care of the Burn Patient

BLS 13 / ALS 18 / 4.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This mini course will focus on the initial care of the burn patient. Content to be presented include: primary and secondary assessment of the burn patient, resuscitation of the burn patient, partial thickness, full thickness, chemical, electrical and inhalation burn injuries and initial management of the patient. The speaker will use case scenarios to test participant's comprehensive of content presented. The speaker will incorporate the physiological differences of the adult, pediatric and geriatric patient into the guidelines of resuscitation and initial management.

Instructor: Valeria D Mitchell

1:30 PM - 4:30 PM

ARV-209 V, Q and You. A Simulation-Based Approach to End-Tidal Capnography

BLS 11 / ALS 16 / 3.0 CEU

Target Audience: ALS, BLS, RNs

A simulation-based prehospital approach to End-Tidal Capnography in determining ventilation and perfusion status. After a PowerPoint presentation on the respiratory cycle and exhaled carbon dioxide, we will use a simulator in the classroom to represent various patients and correlate EtCO₂ to their status and stability in comparison to other more common diagnostic measurement tools and techniques.

Instructor: Christopher M Kroboth

Limited to: 50

1:30 PM - 4:00 PM

TRA-1213 Stop the Bleed - The Virginia Trauma System; Training Providers to Train Others in Their Communities

BLS 13 / ALS 18 / Other (specify) CEU

Target Audience: All

Launched in October of 2015 by the White House, Stop the Bleed is a national awareness campaign and a call to action. Trauma centers throughout Virginia are coming together to offer this program for all EMS providers with the hope they will then return to their communities to continue to cultivate this grassroots effort. We believe lay providers through the Commonwealth should be prepared to save a life by controlling hemorrhage. We hope to train 800 providers in Norfolk in 2019!

Instructor: James H Gould Co-Instructors: Basil Asay, Dr. Alan Rossi, Gregory Neiman, Karen Shipman, Katherine Challis, Kenneth Williams

Limited to: 60

1:30 PM - 3:30 PM

BLS-305 BLS Academy - Medical, Part 2

BLS 14 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the fifth class in the BLS Academy and satisfies 2.0 hours required for Medical Emergencies of Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.

Instructor: Frank I Signorelli

1:30 PM - 2:30 PM

ADM-109 Disaster Reunification

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

The National Center for Missing and Exploited Children (NCMEC) has been authorized by the Federal Emergency Management Agency (FEMA) to operate the National Emergency Child Locator Center (NECLC). The NECLC is activated in cases of presidentially-declared states of emergency in order to help unify children and parents who become separated during the emergency. This course will provide information on the NCMEC reunification program.

Instructor: Richard J Leonard

ARV-210 Lung Protective Ventilation - Bringing the ICU to the Field

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RN
Lung protection strategies have been

widely studied for the last decade and slowly been adopted by Emergency Medicine and even slower by EMS. In this session we will discuss the normal physiology of ventilation and importance of modifying ventilator settings, modes, and lung recruitment strategies to optimize patient outcomes.
Instructor: William S Krost

Thursday Courses 1:30 PM - 2:30 PM

CAR-410 The ECG for the EMS Provider -- Challenging Case Presentations

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RN
This lecture will address challenging ECG presentations for the EMS providers, focusing on both ACS and non-ACS presentations. We will present STEMI, LBBB with modified Sgarbossa criteria, hyperkalemia, WPW and wide complex tachycardia. Recognition and management strategies will be reviewed. The format will be case presentation as an unknown, followed by a focused discussion of the particular topic(s).
Instructor: William Brady

EDU-514 Initial Success or Total Failure: How are we Training our Students?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

The phrase, "Initial Success" or "Total Failure" can be used to describe how we train our students in Emergency Services. Are we training our students to fail? Are we providing them with an education that they can relate to while adequately and truthfully preparing them for their future careers? Understanding generational differences, as educators, we must adapt our teaching styles in order to meet the needs of our future students. We must get away from the "check the box" mentality of training and engage in student-focused, values-based education.
Instructor: David Wiklanski

Instructor: David Wiklanski

Limited to: 40

MED-823 The Craziest of Them All - If all my Friends Seem Normal, am I the Crazy One?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, RNs

We all face the challenges of finding NORMAL people to associate, but we mostly find everyone else seems a little, well, off. Mental health is a common concern for EMS providers, in both our patients and in ourselves. This presentation will look at maladaptive

behaviors in general and look at how our own mental state affects our job in EMS.

Instructor: Jeff McDonald

MED-824 Intranasal Medications in the Prehospital Environment

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

This is a review of the intranasal (IN) medications most frequently used in the prehospital environment, including naloxone, midazolam, ketamine, fentanyl and glucagon. The session will review pharmacology, how to properly administer intranasal medications, benefits and limitations of this route of delivery and clinical pearls for the drugs discussed. Example cases will be used to highlight proper or improper scenarios of when the IN route of delivery should be utilized.

Instructor: Melissa M Doak

MED-825 Sickle Cell 2.0

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

There is increasing evidence regarding Sickle Cell Disease and the proper treatment. In June 2018, the National Model EMS Clinical Guidelines 2.1 added Sickle Cell as a stand-alone protocol to address the changes in management. Does your system know about the changes? Should your system consider a Sickle Cell Protocol? In this presentation, we will review the pathophysiology of Sickle Cell Disease, discuss the evidence-based approach and best practice.

Instructor: Ryan F Kirk

MED-826 Everything You Wanted to Know about Opioids - But Were Afraid to Ask

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RN

All prehospital and hospital healthcare providers should be aware of the opioid "toxicrome" clinical presentation: coma, respiratory depression and miosis. But do all opioids have the same adverse effects? This presentation will cover the lesser known adverse effects of opioids, and present examples of toxic effects that are unique to individual drugs.

Instructor: Rutherford Rose

OPE-911 Should I Have Flown That?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Air medical transport brings additional resources to your patients and offers a reduction in transport time. Providers sometimes feel caught in the middle as to whether or not they should have flown their patient. Join Dr. Ferguson as he moderates case discussions from the

crew of Virginia State Police MedFlight I and explore which of the patients you serve may benefit from air transport.

Instructor: Jeffrey D Ferguson

PED-1010 My Baby is Not Acting Right - Altered Mental Status in Infants

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RNs

AMS in older children is easier to identify when it is happening and what may be the cause. It is more difficult when the patient is younger. When a child acts different it makes parents and caregivers concerned. Knowing what causes AMS in a child is important so to best manage it. This presentation covers what is AMS for an infant not yet one year old. We'll discuss some of the causes of AMS and how to best manage them.

Instructor: Sam Bartle

Limited to: 25

3:00 PM - 5:00 PM

EDU-515 The Value of Rubrics

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: All, Educators

Looking for a way to standardize training? Want to evaluate objectively for quality improvement? Whether it is crew specific or system wide, rubrics can help with training and quality improvement. This program will share how to create rubrics. Those that attend will be provided with several validated rubrics to implement in their programs. We will explain how to do an inter-rater reliability test on a rubric.

Instructor: Ryan F Kirk Co-Instructors: Billy Fritz

MED-827 Excited Delirium

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: All

This course will describe the medical state that patients are in while in a state of Excited Delirium. The course covers what factors into a patient going into this state. Signs and symptoms, as well as treatments. The presentation will also cover treatment protocols for Excited Delirium. This deals with combative patients secondary to an episode that stems from past or present drug use and other medical issues.

Instructor: James E Mitchell

TRA-1214 Old School Rocks

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: BLS

Oh no! What happens when you run out of high tech splinting toys? Enjoy hands-on practice with old school splinting techniques using cravats, blankets and padded board splints. Come dressed

comfortably and prepared to be a victim and a rescuer for some splinting fun!

Instructor: Kimberly D. Lohr Co-Instructor: Jeff W Lohr

Limited to: 30

Student Equipment: charged phone with Kahoot app

Thursday Courses

3:00 PM - 4:00 PM

ADM-108 Rescue Squad Assistance Fund: Formula for Winning Proposals

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This lecture will deconstruct the Rescue Squad Assistance Fund (RSAF) application to provide insight into what exactly scores some applications higher than others. You will learn how to answer the application's questions, common pitfalls, and ultimately the not-so-secret formula for submitting effective proposals. Examples of effective and not-so-effective proposals will be provided to demonstrate the link between the highest scoring applications. New applicants and agencies interested in submitting proposals for RSAF are highly encouraged to attend.

Instructor: Luke Parker

ADM-110 MCIM I and II Train-the-Trainer

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS, Educators

This course is designed to provide participants with the training and tools necessary to become instructors in Mass Casualty Incident Management Module I and II. Teaching requirements and techniques will be discussed and course content will be reviewed. Requirements for maintaining certification will also be discussed. Prerequisites for Instructor Certification include MCIM I and II completion, EMS Certification and instructor certification in another class.

Instructor: Karen Owens

CAR-411 Heart Failure: Plumbing vs. Electrical Problem

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

Session covers heart failure pathophysiology, with goals to understand the basic disease process. Differentiate between left vs. right heart failure and systolic heart vs. diastolic heart failure. Introduce acute heart failure exacerbation options, including subcutaneous/IV therapies, and advanced therapies. Discuss indications for IV therapy vs. oral medications.

Review medications used for continuous infusions and diagnostic testing. Recommendations regarding prehospital care in emergencies and during transport. Discuss role of experienced providers in this special population, and the importance of specialized heart failure programs with regard to long-term advanced care.

Instructor: Amanda K Omalley

EDU-516 Who's Looking at You

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

In one way or another we look at ourselves as a role model, while some will even consider themselves to be a mentor. Learn the difference in what each has to offer. Look to learn what the difference between a Mentor and Preceptor is and should they be looked at the same way.

Instructor: Daniel Frazier

MED-828 Wound Packing, Wrapping and Clamping

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs, Youth

In this brief lecture and mostly hands on practical we'll discuss the concepts behind using pressure to stop the bleed by understanding the physiology first and then getting hands on utilizing wrapping, tourniquet, wound packing and clamping techniques. We'll play with all of this plus a few extra bleeding control tips and tricks you'll get to practice and refine, like how to properly wrap a head wound without having the bandage constantly slip off and other different techniques that EMT's and Paramedics are not formally taught.

Instructor: Sally Kraut

MED-829 Resuscitation of the Medical Patient

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

Most clinicians think of cardiopulmonary resuscitation and advanced cardiac life support when they hear the term "resuscitation." However, if we wait until the pulse stops to resuscitate the patient, it's often too late. Medical patients can be challenging and complex to manage. This session presents a systematic approach to recognizing and aggressively managing the pre-arrest patient, intervening before they go into cardiopulmonary arrest.

Instructor: Jeff Myers

MED-830 Up Your Nose - Intranasal Medication Administration

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

No IV? Don't want to go to an IO yet? Don't worry, get MAD! (Mucosal Atomization Device) Intranasal medication administration is a new and exciting way to deliver some of the medications we use commonly in EMS. Learn the way to perform the skill in a hands-on session. Class will cover the reasons to consider IN use, how to perform the technique, we'll discuss problems you may encounter and more. Come try intranasal medication delivery and practice IN administration with Melissa Doak.

Instructor: Melissa M Doak

Limited to: 25

PED-1011 Ooo! Piece a Candy: The Unintentional Pediatric Overdose

BLS 14 / ALS 19 / 1.0, Other (specify) CEU

Target Audience: ALS, BLS

Every year over a million children, many of them under the age of five, are victims of an unintentional poisoning. Of those, over 50 percent are the result of an ingestion of a medication. This interactive presentation will review pediatric assessment, history gathering and treatment of the poisoned child. We will also discuss injury prevention techniques that you can employ, so this scenario doesn't happen.

Instructor: Kyle D Bates

TRA-1215 Pointers for Managing the Poisoned or Envenomated Patient in the Prehospital Setting

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO

Frequently for poisoned patients, the prehospital provider plays a pivotal role. Sometimes their history is the only history known for a few days into the patient's hospitalization. Also, care given in the field can have a significant impact on the remainder of their hospital course. In this lecture, we will review important historical features to obtain, as well as what assessments and interventions should and should not be performed. We will cover both overdoses as well as myths surrounding snakebite care.

Instructor: Heather Borek

4:00 PM - 5:30 PM

BLS-306 BLS Academy - Trauma

BLS 13 / ALS CAT 2 / Other (specify) CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the sixth class in the BLS Academy and satisfies the 1.5 hours required for Trauma Emergencies

of Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.
Instructor: Frank I Signorelli

Thursday Courses 4:30 PM - 5:30 PM

CAR-412 Ventricular Assist Devices: The Basics

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This session covers advanced heart failure pathophysiology, with goals to understand the basic disease process. We will discuss indications for VAD as Destination Therapy (DT) vs. Bridge to Transplant (BTT). An overview of VADs commonly encountered in the field and emergency department, including HeartMate II, HeartMate XVE, HeartWare, and Jarvik 2000 Heart System will also be covered. Recommendations regarding prehospital care/assessments of VAD patients during transport will be discussed.

Instructor: Amanda K Omalley

EDU-517 So You Think You Want to be an Educator

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

This presentation is PERFECT for the EMS Professional who would like to move into the world of EMS Education. Whether you want to teach CE at your department or as a primary lecturer at a University Paramedic program, this presentation will provide tips and insight into the process of beginning your educational Journey; looking beyond experience, into educational preparation, breaking bad habits and establishing good habits.

Instructor: Jeff Mcdonald

HEA-609 Debbie is Done

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Have you ever thought what will you do if you were not able to work in Emergency Services anymore? Learn how you can further your career or change your focus when you can't work in the field anymore. Learn how to deal with the feeling of loss when you can't do the job. Learn how to have the conversation for the person who is having trouble coming to the conclusion they should not be in the field anymore.

Instructor: Daniel Frazier

LMGT-706 Fostering High Performing Provider Mindsets

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators

No one likes to feel as though they are spinning their wheels in an organization, but how do we best utilize our manpower? What if there was an easy way to identify the key areas of their personality so that you can maximize their potential and retention? Join me for an interactive discussion and learn how to engage your colleagues and how to best utilize their skills sets.

Instructor: David Wiklanski

MED-831 Adrenal Insufficiency

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

One of the most important classes you can sign up for at symposium; the majority of providers and even doctors, are not familiar with adrenal insufficiency and are unaware of how quickly adrenal crisis can lead to death. The tragedy is that immediate treatment does exist; patients carry it with them at all times, but aren't always able to administer it for reasons we will discuss. You will learn about adrenal insufficiency and crisis and then practice drawing up the emergency medication, which is supplied in an act-o-vial.

Instructor: Sally Kraut

MED-832 New Drug Threats: Recognition and Treatment

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Threats to our patients and EMS providers are constantly changing. It is critical for EMS providers to maintain current knowledge of the trends. Attendees of this lecture will be able to recognize and differentiate the clinical findings of different substances. This knowledge will enhance the therapeutic actions and optimize prehospital care.

Instructor: Kirk L Cumpston

MED-833 Tackling Sepsis on the Front Line

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS

Sepsis is estimated to affect 1.5 million people per year with approximately 250,000 deaths in the U.S. alone. These numbers have climbed in recent years. It is estimated that a third of all in-hospital deaths are due to sepsis. In this interactive session, we discuss how sepsis is a true medical emergency, how to identify sepsis and how we can be on the front line and tackle sepsis to reduce morbidity and mortality.

Instructor: Jeff Myers

OPE-912 Human Trafficking: Recognition for Healthcare Providers

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Human trafficking affects all socioeconomic levels and is much more evident in the United States, an epidemic hiding in plain sight. Of those victims responding to surveys, more than 80 percent had been seen by healthcare providers while under control of a trafficker; 63 percent had been seen in an emergency room. Healthcare workers, including prehospital providers, may be the only opportunity for a victim to be rescued.

Instructor: Sherri Mason Co-Instructor: Shannon Scott

OPE-913 EMS Operations: The Young and the Old

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All, BLS

We will review the risks associated with your geriatric patients and your pediatric patients. What to look for and what to do about it. Should you adjust your interview based upon your patient's age? Also, how do you modify your transport for pediatric patients? We will discuss our at-risk populations (0.5hours) and pediatric transport (0.5hours) considerations.

Instructor: David E Weand

TRA-1216 Tales from the Crypt

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, All, BLS, RNs

Have you ever had that patient that didn't make it, but you never knew why? Or maybe you just knew it was an MI and later found out it was a PE? This course will use actual cases and autopsy information to show how each patient died. By understanding the cause of death in patients, we may be able to recognize similar signs and symptoms in the future and provide better care.

Instructor: Jason Ferguson

TRA-1217 Mechanism of Injury of Idiocy?

BLS 13 / ALS 18 / 1.0, Other (specify) CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RNs

Recent discussions seem to downplay the importance once placed on "mechanism of injury" (MOI) and more on patient assessment. Nowhere is this more evident than through the Trauma Triage Protocol published by the CDC. This lively and interactive case-based presentation will address how MOI should be used in combination with a thorough patient assessment and history of present injury to make decisions on patient treatment, transport, and destination.

Instructor: Kyle D Bates

Friday Courses

8:00 AM - 5:00 PM

PED-1012 Adapting ABC for Children with Special Health Care Needs

BLS 14 / ALS 19 / 8.0 CEU

Target Audience: All

Caring for a child with technology assisted care and special health care needs present a challenge to most EMS providers. This workshop provides both BLS and ALS providers and Emergency Department professionals, with didactic and hands-on skill stations focused on the ABCs of Technology Assisted Care for children in emergency situation. The skill stations include a series of check off worksheets to increase the psychomotor and problem solving experiences for the providers that can be taken back to the station for local drills.

Instructor: Cynthia J Wrightjohnson Co-Instructors: Billy Fritz, Danielle Joy

Limited to: 30

8:00 AM - 12:00 PM

OPE-914 Counter Terrorism Preparation and Tactics

BLS 15 / ALS 20 / 4.0 CEU

Target Audience: All

This session will be both didactic and practical. The goal will be to familiarize yourselves within the counter-terrorism realm in order to prepare you and your agency to respond to an Active Shooter or any incident of aggressive deadly behavior. At the conclusion of the session, you will have the basic tools needed to react and make a decision if placed in a similar situation.

Instructor: Kevin Ramdayal Co-Instructors: Daniel Conforti, Gregg Brady, Jason Torres, Kevin Mahoney, Michael Cook

Limited to: 45

8:00 AM - 9:00 AM

HEA-610 EMS from Death's Perspective 1999-2019

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

For the 40th symposium, we are bringing back a presenter from way back in the past. In 1999, Bob and the Grim Reaper presented to symposium for three years in a row, unheard of at the time. A lot has changed in 20 years, but Death is always there! What has changed in how we deal with him? How we handle death and dying is not as important as how we handle living and the stress of our jobs. Hard hitting

session, sight and sound. Memorable message. Parental discretion advised.

Instructor: Robert Page

9:30 AM - 5:30 PM

EDU-518 Advanced Moulage Techniques

BLS CAT 2 / ALS CAT 2 / Other (specify) CEU

Target Audience: Educators

This course provides students with realistic injuries which will grab their attention and challenge them to use their knowledge, skills and abilities to properly respond to patient's needs and provide the proper treatment modality. Join this experienced instructor in developing your "Casualty Simulation" skills which will cause you to stop in your tracks and ask, "...is this real or is it Memorex?" Course Fee: \$65.00/student

Instructor: Robert S Ryalls

Limited to: 16

Course Fee: \$65.00

9:30 AM - 12:30 PM

BLS-307 BLS Academy - Cardiovascular, Part 1

BLS 12 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the seventh class in the BLS Academy and satisfies 3 hours of the required 6 hours of Category 1/NCCR (2016) under the new CE requirements effective April 1, 2017.

Instructor: Frank I Signorelli

9:30 AM - 12:00 PM

TRA-1218 Stop the Bleed - The Virginia Trauma System; Training Providers to Train Others in Their Communities

BLS 13 / ALS 18 / Other (specify) CEU

Target Audience: All

Launched in October of 2015 by the White House, Stop the Bleed is a national awareness campaign and a call to action. Trauma centers throughout Virginia are coming together to offer this program for all EMS providers with the hope they will then return to their communities to continue to cultivate this grassroots effort. We believe lay providers through the Commonwealth should be prepared to save a life by controlling hemorrhage. We hope to train 800 providers in Norfolk in 2019!

Instructor: James H Gould Co-Instructors: Basil Asay, Dr. Alan Rossi, Gregory Neiman, Karen Shipman, Katherine Challis, Kenneth Williams

Limited to: 60

9:30 AM - 10:30 AM

ADM-111 Trauma Triage and Trauma Centers: Why?

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

You've responded to a trauma related incident. This course will review field trauma triage and explains the criteria that makes a hospital a trauma center. We will discuss how transporting your injured patient to the appropriate facility will give them their best chance of survival.

Instructor: Tim Erskine

ADM-112 I See...Suspicious People

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, RNs

First responders not only observe suspicious behaviors, but continue to remain an attractive target for both criminal and terrorist activity. This presentation will provide an overview on what constitutes suspicious activity and the process for reporting suspicious activity to the Virginia Fusion Center. Information will also be provided to ensure citizens' civil rights and civil liberties are protected throughout the reporting process.

Instructor: Austin C White

ARV-211 Breathe in Breathe Out?- What is Capnography Really Telling You

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: Administrators, BLS, Educators, MD, DO, RNs

This class will cover the basics of EMS prehospital use of capnography showing the benefits of its use. We will review how capnography works and what value it has by adding this to your patient assessment; not just the cardiac arrest calls. We will review effective ventilation, and how oxygenation and respiration have an effect on the capnography readings.

Instructor: Eleanor Erwin

CAR-413 Sudden Death in Young Athletes

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

The possibility that young physically fit athletes may be susceptible to sudden cardiac death seems counter intuitive. Nevertheless, such catastrophes occur, often in the absence of prior symptoms, and the emotional and social impact can be profound. Two conditions, hypertrophic cardiomyopathy and commotio cordis, together are responsible for almost half of the deaths. This presentation will examine these conditions in detail and provide EMS with useful information for helping to reduce the incidence of sudden death in the young athletes within their local communities.

Instructor: Kenneth W Navarro

Friday Courses

9:30 AM - 10:30 AM

CAR-414 "Advanced" 12 Lead ECG

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, RNs

How are your 12 lead ECG skills? Need a review? This session will discuss various advanced aspects of 12 Lead ECG interpretation including, but not limited to: coronary artery anatomy and how it affects AMI treatment, right ventricular infarction, posterior wall infarction, left coronary dominance, Wellens' sign, and Sgarbossa's criteria.

Instructor: Timothy S Redding

CAR-415 There's Dead and There's Almost Dead: Cardiac Arrest Management Update

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Dramatic changes in how we manage cardiac arrest are here now, with more coming. Some are boring, some are system/public interventions, some are mechanical, some are anti-drug and some are drug friendly. Some are also cool but not really proven to be effective and some are really far-fetched. What do Tree Frogs and Water Bears have in common?

Instructor: Charles J Lane

EDU-519 EMS FTO - Following The Yellow Brick Road

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators

Do you have a need for an EMS FTO program? Here we will share the steps taking by Prince William County Department of Fire and Rescue's EMS Training division to create the program. While created for accreditation purposes, this program has shed light on the need for inter-rater reliability of instructors. Come to find out how students aren't taught "how to do it in the NR land" and then later "taught how things are done in the field."

Instructor: Ryan F Kirk Co-Instructor: William Fritz

EDU-520 This Education is JUST Right: Working Within the Zone of Proximal Development

BLS CAT 2 / ALS CAT 2 / 1.0 , Other (specify) CEU

Target Audience: Educators

Our students are not "one size fits" all when it comes to learning. As educators, we need to teach to a level that promotes learning within each student. If we are too simplistic, those who are more advanced will become bored. If we teach too far above the students, they will become frustrated. Applying Vygotsky's

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sociocultural theory of learning and the zone of proximal development you will be better able to deliver education that is JUST right.

Instructor: Kyle D Bates

HEA-611 Saving Our Own: Changing the Culture of Mental Health Awareness in Public Safety

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Suicide is the cause of more first responder deaths today than line of duty deaths. This class will discuss resources that are available, signs of mental health issues and how to help. Captain Bowman will share her story of mental health, suicide, and the impact it had on her career and life. There will also be a question and answer period at the end of the program.

Instructor: Wendy L Bowman

HEA-612 EMS Violence - Treat the Victim, Don't Be The Victim

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

The crime of opportunity is everywhere 24/7. Make sure that you aren't responding to a call and getting set up to become a victim. We all know that the dispatch for every call is 100 percent accurate, right? This course will teach you simple things that you can do to lower the risk of harm to you and your crew.

Instructor: Michelle M Wright

LMGT-707 Mickey Mouse and Chicken: Customer Service in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

The Disney Keys to Excellence and Chik-Fil-A principles are the foundation for this lecture about customer service in EMS. Public safety is a society of service and that service starts within your organization. We must serve ourselves and our peers well in order to be able to serve the community. Learn to approach everyone as a customer and watch how your behavior changes your organization, your patient care and everyone around you. A mindset of service leadership and service marketing can assist your agency with recruitment, retention and overall success.

Instructor: Devon T Clary

LMGT-708 "Talk the Talk" - Generating Voluntary Compliance

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs, Youth
The majority of situations with a potential for violence are either escalated or de-escalated within the first few seconds of patient contact. However, with technology almost eliminating the need for verbal communications, many

providers have lost the ability to calm tense situations through words. This interactive lecture will provide a better understanding of why people become agitated, and offer techniques to achieve voluntary compliance.

Instructor: Shawn Tompkins

MED-834 Heroin, Fentanyl, Carfentanyl, Opiates, Narcan, OH MY!

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Opiates and overdoses are on the rise all over the country. These situations represent a significant potential for danger for first responders including Fire and EMS providers. Just saying "scene safe BSI" isn't enough to keep anyone safe. This program will examine the opiate epidemic, what opiates and analog opiates are out in the public, and what Fire and EMS providers along with hospital staff can do to not only remain safe during patient and scene operations but also do to assist law enforcement during these situations.

Instructor: Justin W Witt Co-Instructor: Michael P Athenry

MED-835 Deciphering Headache

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Headache is a common emergency medicine complaint that is often considered a lower priority compared with other complaints. However, sinister causes of headache are lurking out there! How do we sift through and identify patients at high risk for serious pathology? In this interactive, case-based session, we will discuss the etiologies of headache and learn how to identify the more serious causes of headache.

Instructor: Jeff Myers

MED-836 Blood in the Field: An Update on Prehospital Blood Administration

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Virginia OMD's Dr. John Morgan and Dr. Dan Avstreich present an overview of prehospital blood administration programs and the current evidence around the use of blood in the field. The presentation will also present the details of Northern Virginia's Field Available Component Transfusion Response (FACT*R) program, which went live January 2019 following an incident where blood was brought to the scene from the hospital. The program brings a "massive transfusion protocol" of PRBCs, Plasma and Platelets to the emergency scene on demand for entrapped trauma patients in hemorrhagic shock.

Instructor: John I Morgan Co-Instructors: Dan B Avstreich

Friday Courses

9:30 AM - 10:30 AM

MED-837 Essential Lab Values for EMS Providers

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

We are often called to a facility to transport a patient to the hospital due to an abnormal lab value. Did you know that a high potassium (K+) can be fatal, an elevated lactate may be more than just sepsis, and sodium (Na+) imbalance is a potentially fatal cause of altered mental status? We'll cover the basics of common labs and panels (BMP, CBC, cardiac enzymes, ABG) and identify when to be concerned for possible patient deterioration.

Instructor: Stephanie K Louka

MED-838 Sudden Death in Athletes

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will focus on sudden cardiac arrest in athletes. Some of the topics covered will include commotio cordis, abnormal heart rhythms, structural heart disease, inherited causes of sudden death. The influence of environmental factors will also be reviewed, particularly heat illness and altitude factors. Interventions for the EMS provider faced with the collapsed athlete will also be reviewed.

Instructor: George Lindbeck

MED-839 HIV Post Exposure - Updates

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

There has been many changes with regard to HIV testing and medical follow-up. Join Kathy as she gives you the latest information AND it is all good news!

Instructor: Katherine H West

OPE-915 Refusal or No Patient?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

I will explore the legalities and the trials and tribulations of the Refusal, versus the "No Patient"... Being the Patient Advocate and the Agency Advocate is so important. We will also discuss the Liability and Responsibility of both! We will discuss the "Right Thing to do" and look at some real-life situations in the EMS day to day operations.

Instructor: Vernon M Frayser

OPE-916 Are You in the Right Room?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

CISM, Peer Support, Stress First Aid...taking care of our emergency services personnel has become a huge priority in the recent years, with stories of suicide by Fire/EMS/

Police documented almost daily around the country. This presentation will focus on both groups of people - the providers and the peers. Coping strategies, warning signs and different ways to manage the stress associated with a critical incident will be discussed, but also for the peers, we will ask (and hopefully answer) the fundamental question - are you the right person for this room?

Instructor: Damien G Coy

OPE-917 911 Dispatchers...The First Line of First Responders...Are Yours Ready to Save a Life?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher

Did you know that the average response time for EMS is between eight and 15 minutes? Even the first responding fire department has a standard response time of up to five minutes for EMS calls. What happens between the time the initial 911 call occurs and when help first arrives? We will cover real-world examples of how the actions of a dispatcher can directly affect patient outcomes, and what they can do to make your lives easier with pre-arrival instructions.

Instructor: Dan Greenhaus

OPE-918 FirstNet Mobile Broadband: Changing and Enhancing Patient Care Today

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

High speed, dedicated and reliable mobile broadband communication is now available in your ambulance. How to get it, use it to benefit your patient, and how it differs from traditional voice only communication systems will be explored in this session. Mobile Broadband communication gives you the capability to diagnose and treat patients in the field, with solid medical support on-line, and brings tremendous new benefits and support to rural EMS providers and Community Paramedicine programs. See currently available and proposed new devices, apps and uses.

Instructor: Brent A Williams

PED-1013 Don't Sugarcoat It - Pediatric Diabetes

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

In the United States, there are approximately 200,000 children living with diabetes and 23,000 children are newly diagnosed each year. Come learn the ins-and-outs of pediatric diabetes. Topics to be covered include the signs and symptoms, Type I versus Type 2, treatment of the pediatric hyperglycemic patient versus diabetic ketoacidosis (DKA) patient

and how they are managed differently compared to an adult, hypoglycemia and up and coming new diabetic technology.

Instructor: Tiffany G Chatham

PED-1014 Special Care for Special Kids

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Nurses and EMS providers often come into contact with children with physical and developmental issues. This lecture will discuss some of the more common concerns, including genetic syndromes and autism, and also those children who require technological support, including tracheostomy, home ventilator and gastrostomy tubes. Included will be some tips for managing these patients and some hands-on with the different ventilators and equipment used in their care and will assist the provider to transport safely to the hospital or emergency setting.

Instructor: Lori S Stump

PED-1015 Caught in Between: Why Adolescents are not Children or Adults?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

There are special challenges when treating adolescents. They may be the size of an adult, but they have unique differences in brain function, hormones and other physiology as their bodies continue to develop. Risky health practices are often hidden but could be vital to EMS management. Finally, talking to a teenager can be equally as tricky.

Instructor: Valerie A Quick

TRA-1219 IEDs, EFPs and Other Explosives: What They are and How to Treat the Injuries

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This session will discuss the use of explosives as weapons and the complex injury patterns that occur. Mr. Nitsch will provide a unique insight into these oftentimes devastating injuries based on his firsthand experiences in Iraq and Afghanistan. Also discussed will be an overview of the types of explosives, the "anatomy" of an explosion, and the immediate and long-term treatment of blast injuries.

Instructor: David Nitsch

TRA-1220 Basics of Ballistics

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, Educators, RN

Wound ballistics is the science behind how a projectile acts as it travels and how it impacts tissue. Bullet wounds can be deceiving. Some wounds can be small, yet

have devastating destruction of human tissue. Learn about the different phases of ballistics and how bullet characteristics impact injury patterns. By understanding ballistics, EMS providers may be able to determine which wound is entrance vs exit as well as the direction and distance of the gunshot.

Instructor: Allen Yee

Friday Courses

9:30 AM - 10:30 AM

TRA-1221 EMS and TBI: Immediate Field Care for High-Impact Head Injuries

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

Traumatic Brain Injuries (TBI) account for approximately 2.5 million annual ED visits, taking more than 50,000 lives and leaving countless victims with lifelong disabilities. In those first moments following impact, EMS care is a major factor in your patient's outcome. Hyperventilate? Intubate? Permissive hypotension? Do you know what to do? Using case studies, evidence-based guidelines and a common-sense approach, this program gives you strategies for the prehospital management of traumatic brain injuries in a way that real-world medics and EMTs can use them in real-world trauma settings.

Instructor: Rommie L Duckworth

TRA-1222 Trauma Assessment and Management Today

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Trauma is still the leading cause of death for young adults and the third leading cause of death in this country for all age groups! EMTs and Paramedics are in a position to decrease morbidity and mortality in trauma patients, but only if they can rapidly assess and manage those patients. Did you know that tourniquets are back and shock position is out? There are probably more you don't know.

Instructor: Heather Davis

TRA-1223 Sit Down and Take a Load off - Crush Syndrome

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

The recognition and treatment of Crush Syndrome are one of the more challenging types of incidents that first responders encounter. It is a low frequency / high risk type of incident that requires special attention to detail to deliver appropriate care. Let's look at this microscopic hazmat incident in the body and review the low usage medications used for treatment. Let's also discuss

common and uncommon patients that could be present with Crush Syndrome.

Instructor: David J Mangus

11:00 AM - 12:00 PM

ADM-113 EMD Accreditation Overview

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, MD, DO

This presentation will provide an overview of the Virginia Office of EMS' Emergency Medical Dispatch (EMD) Accreditation Program for 9-1-1 Centers and Public Safety Answering Points. It will provide information on the requirements needed to receive initial accreditation and re-accreditation. Information will be provided on the Rescue Squad Assistance Fund (RSAF) Grant program which may be used to offset the cost of implementing EMD.

Instructor: Rich Troshak

ADM-115 Mobile Integrated Healthcare-Community Paramedicine Roundtable

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, MD, DO

Mobile Integrated Healthcare-Community Paramedicine (MIH-CP) is one of the biggest concepts to come to EMS in decades. Join moderator Tim Perkins in a panel discussion with providers, agency directors, and operational medical directors about MIH-CP. What makes for a successful system, what do providers need to know from a clinical perspective, and how MIH-CP can be implemented in your community will be among the topics discussed.

Instructor: Tim Perkins

ARV-212 How Airway and Breathing Affect Circulation

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: All

Shock is not just a circulatory problem. Often, patients go into shock from an airway or breathing compromise. This case-based session makes preventing shock understandable for EMTs and Paramedics. At the conclusion of this session, you will be able to apply the Fick principle to explain how airway and breathing cause circulatory problems. You will also be able to list the current medications used in the management of respiratory distress and failure and distinguish between pleurisy, effusion and failure.

Instructor: Heather Davis

CAR-416 Demystifying Pacemakers

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS

We have all had patients who have pacemakers/AICD. These devices are

getting smaller each year and are much more prevalent than they were 15 years ago. But how do they work? What does the magnet really do? What happens when the AICD fires? In this interactive session we will explore the inner workings and practical information about pacemakers and AICDs that will be invaluable to your EMS practice.

Instructor: Jeff Myers

CAR-417 Post-Resuscitation Care: Changing the Paradigm

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators

What do you do when you get pulses back on your cardiac arrest patient? Why is it we get the patient back but they still die? Once we get the patient back, is our job done? Have you heard these comments and questions often? This presentation will discuss the EMS role in post resuscitation care and how what we do after we get ROSC can play a direct role in patient outcome.

Instructor: Timothy S Redding

CAR-418 Size Matters: Differentiating Large Vessel from Small Vessel Occlusion in Stroke

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

Stroke is a nonspecific term that has come to mean a sudden interruption of blood flow to a portion of the brain resulting in loss of neurological function. On average, someone in the United States suffers a stroke every 45 seconds making it the fifth leading cause of death in this country. In this session, we will examine the latest advances in the prehospital management of stroke, including the use of mobile stroke units and the management of large Vessel Occlusion.

Instructor: Kenneth W Navarro

EDU-521 Top Five Papers that are Changing EMS Today

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO

A review of the top five (or so) papers that are shaping the way EMS is evolving at the state and national level. If you have ever wondered what drives an OMD to change protocol, policy and practice in an agency, this presentation will attempt to answer that. Topics may include new research, position statements, and state and national regulations that affect the way you practice.

Instructor: Eric Stanley

EDU-522 Cardiovert Your Classroom: Disrupting the Pattern

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Traditional teaching methods are a lot like SVT: marginally effective, but sometimes need a blast of energy to reset

things to perfuse the brain. 'Flipping the classroom' is a popular concept these days. Regardless of what you do with online content, videos, or other strategies outside of the class, a huge challenge for many educators is deciding how to make the most effective use of time in the classroom. We will explore a variety of alternatives to traditional lecture and challenge you to break those reentry patterns.

Instructor: Gary A Heigel

Friday Courses 11:00 AM - 12:00 PM

EDU-523 Writing Objectives for Dummies

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Every time you meet with students, you should have a plan that describes what will be accomplished during your time with them. In the world of education, we start and end this plan with objectives. Whether it is at the program, course or class level, being able to articulate what is to be learned in the form of an objective is both a skill and an art. This course will cover the basics of objective writing, preparing the educator to begin using them as effectively as possible.

Instructor: Jason Ambrose

HEA-613 Psychological Mayday: Knowing When to Call for Help

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We are 911. We are always ready to assist anyone in need. But what happens when we find ourselves in the midst of a behavioral health crisis? Who can we talk to? What resources are available to us? Does our culture allow us to discuss it or do we find ourselves in fear of saying HELP ME! Join me for an interactive discussion on how we can help our own.

Instructor: David Wiklanski

HEA-614 Critical Care for OUR Mental Health - We Aren't OK

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We make life changing decisions for strangers with limited information in seconds. This a humbling privilege that sometimes haunts us for the rest of our lives. The mental health stigma in public safety often prevents those who need help from asking for it and suicide rates are at an all time high. As a profession, we are not OK, so come join in for some real talk because we don't just need first aid for our mental health, we need critical care. The life you save could be yours.

Instructor: Devon T Clary

LMGT-709 EMS From Around the Globe

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

In a rapidly changing world, how do we develop sustainable EMS systems in resource-limited countries? Globally, EMS systems have to adapt to a model that meets the local needs within the framework of diverse cultural, political and financial factors for each individual community. Co-presented with prehospital professionals from Rwanda, we will learn how EMS systems are deployed differently around the world.

Instructor: Basil R Asay

LMGT-710 Is It A Man's World? A Look at Women in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO

We will be looking at the history and influence of women in EMS. We will address recruitment, retention, inclusion and other challenges women face when EMS is chosen as a career path. We will also explore positive changes that are being implemented by women "Change Leaders" in the profession of EMS.

Instructor: Tarsha R Robinson

LMGT-711 Leadership Lessons From the Beatles

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

If you are an EMS leader — or aspire to be one — drawing leadership inspiration from as many sources as possible is imperative. In this fun, multimedia and eye-opening presentation, nationally known EMS leader and lifelong Beatles fan Doug Wolfberg will use lessons from the amazing career of the Beatles to enlighten and inspire EMS leaders of the future. You'll be amazed at how relevant these leadership lessons are to EMS leadership!

Instructor: Doug Wolfberg

MED-840 Powders, Pipes and Paraphernalia: Dissecting the Drug Den

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RN

As first responders, we routinely interact with the people and places of the underground drug world. We enter unsafe environments that may appear benign but in reality pose potential threats. Spoons, lottery tickets and tire pressure readers - each have alternative uses as drug paraphernalia. What other clues are you missing on scene that could help indicate potential for overdose or other toxicological emergency? Doctors and nurses rely on us for helpful clues

found on scene. Come be the "Detective" and lean to pick up on these clues.

Instructor: Tori Zobel Co-Instructors:

Stephanie K Louka

MED-841 Behavioral Issues and the Legal Ramifications UPDATED

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, Educators, RN

TDO, ECO, how does the EMT make sense of these acronyms? Who needs one, who can get one, and how does one get issued? Furthermore, what are the legal ramifications of treating a patient with one or a patient who may require one? These and many other questions regarding the often encountered "patient with a behavioral emergency" will be answered in simple and plain English.

Instructor: Eleanor Erwin

MED-842 Not Just Boobs and Tubes: What Makes Women Different to Assess and Treat?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Medicine is now evolving to treat individuals based on genetics, gender and medical history rather than a one size fits all approach. Discussing women's medical issues usually revolves around what is found in the "bikini" area. Did you know that women are more at risk for hemorrhagic strokes, developing prolonged Qtc, having a concussion and are less likely to be diagnosed with a heart attack or treated for pain? Women also respond differently to drugs, often requiring decreased dosing or different drug therapy.

Instructor: Valerie A Quick

MED-843 Should We Really be Giving Narcan?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

The word is out! We are in the midst of an opioid crisis! EMS is on the front line with the super drug! The lifesaver drug Narcan! Anyone can buy it over the counter! But for all of its benefits, the blind administration to a "suspected" OD can cause further harm to the patient and the EMS provider! Some have actually weaponized the drug, and others use it as a safety net. Protocol makes us give it. Alternatives? Start with good assessment. In this session Bob will rock your world!

Instructor: Robert Page

MED-844 It's You and Me Wheezy

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, All, BLS, RN

Chronic Obstructive Pulmonary Diseases can be difficult to distinguish. Are they the blue bloaters, pink puffers or asthmatic?

This course takes a look at differences in pathophysiology and treatment of various airway issues. We will review lung sounds and understand that “all that wheezes is not asthma.” This course provides a fun, semi-interactive approach to review airway issues. Students will experience how it feels to have an asthma attack. If you are looking for a light-hearted, entertaining approach to learning, this is the class for you.

Instructor: Jason Ferguson

Friday Courses

11:00 AM - 12:00 PM

OPE-919 Concert and Special Event EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This program is designed to demonstrate the difference between typical, community EMS and the type of service that needs to be provided at a large scale gathering. This is not intended to be a lesson in the Incident Command System or Mass Casualty Incident Management. It is intended to show the distinctive requirements of these events and ways to handle different types of crowds and situations including musicians, athletes, etc. Also covered will be the different types of equipment used to ensure safe and expeditious emergency response in unique situations.

Instructor: Andrew T. Caruso

OPE-920 Wear A TOPHAT: Critical Thinking Skills

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, RN

Too often we get tunnel vision and miss the signs and symptoms we are trained to find. During this session we will evaluate critical calls, and what could have changed the outcome of these calls. What is critical thinking and how can I use it to better my patient outcomes? Grab your TOPHAT and join Kirk for a session filled with videos and case histories to help improve your Critical Thinking Skills.

Instructor: Kirk E Mittelman

OPE-921 Am I Kidnapping My Patient? Can I be Sued for This? The Lawyer Hotline at the EMS Symposium

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RN

There are so many times EMS providers have legal related questions that they never asked during their training or seldom have access to a lawyer during a call when a situation comes up. This program will provide participants with an opportunity to ask ANY civil or

criminal law question they can think up related to Virginia Law, Virginia regulations, or anything legal related in the Commonwealth. Both lawyers will be ready to take questions and provide participants with answers based on Virginia Law and Virginia regulations.

Instructor: Justin W Witt Co-Instructor: Allison J. Bloom

OPE-922 Prehospital Medicine in Iraq and Afghanistan

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This session will discuss prehospital care and lessons learned from the wars in Iraq and Afghanistan. Mr. Nitsch will provide an interesting perspective on this topic through his firsthand experience of providing medical care in Iraq and Afghanistan. Additionally, this session will emphasize the tenets of Tactical Combat Casualty Care (TCCC) and emphasize the importance of utilizing these tenets in the Emergency Medical Services.

Instructor: David Nitsch

PED-1016 Stroke in the Young: Big Numbers for Little People

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

Shocking new information shows incidents of ischemic stroke increasing more than 50 percent in children 5 to 14 years old since 1995. In younger patients (under 45 years old) there have been similar leaps among all types of stroke. Despite these increases many victims go undiagnosed due to the mindset that they are “too young for stroke.” This session explains the startling reasons behind these numbers, what EMS can do about them and the diagnostic approach that catches what clinicians miss in newborns, young children and younger victims of stroke.

Instructor: Rommie L Duckworth

PED-1017 Jif or Skippy? Creamy or Crunchy? - Pediatric Anaphylaxis

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RN

Food allergens account for approximately 30 percent of fatal anaphylactic reactions per year and 1 in 13 children in the U.S. has a food allergy. Come learn about the most common culprits of anaphylaxis, the signs and symptoms and how to manage these kiddos without feeling as though you have given yourself a shot of Epi.

Instructor: Tiffany G Chatham

TRA-1224 Boot to the Head: Concussion Assessment and Management

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

There are over 3.5 million estimated

concussions every year in the United States as the result of sports and recreational activities. A form of traumatic brain injury, concussions can range from mild to severe and if not managed properly, may lead to a fatal condition known as Second Impact Syndrome. As EMS providers we may encounter this subset of patients, either on a 911 call or during a stand-by, and it is important that we identify concussions in players having them abstain from sports activities until injuries are resolved.

Instructor: Kyle D Bates

TRA-1225 “Coup Contre Huh?”

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

A Traumatic Brain Injury (TBI) is a devastating injury, causing loss of life and individual freedom. It is imperative that healthcare providers be able to recognize the signs and symptoms of a TBI, as well as understand what, if any, treatment can be provided. This presentation focuses on the causes, patient presentation, as well as allowing the class to witness the neurosurgical interventions needed to treat several different kinds of intracranial hemorrhage. The presentation concludes focusing on the long term mental health effects of a TBI.

Instructor: Damien G Coy

TRA-1226 Hustle, Hit Until it Hurts

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Educators

It's Friday night under the lights of the local high school football game. A player is down on the 35-yard line, not moving. Your evaluation reveals neurological deficits and pain upon palpation of the cervical spine. Should you leave the pads and helmet on or take them off? In this course, we will discuss and practice techniques for dealing with the spinal-injured football player.

Instructor: Rebecca C Anhold Co-Instructor: Jeremy Wampler

Limited to: 30

TRA-1227 Everything Firearms

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RN

This course covers everything you ever wanted to know about firearms for the prehospital provider. The session includes the trauma risk, injury patterns, history, regulation and politics. You will learn how to recognize common projectile injury patterns from handguns to shotguns and rifles. Once recognized, this talk will describe management and treatment of these emergencies. And please, no concealed carry in class!

Instructor: Brian D Ekey

Friday Courses

1:30 PM - 5:30 PM

ARV-213 Airway Techniques for the BLS Provider

BLS 11 / ALS CAT 2 / 4.0 CEU

Target Audience: ALS, BLS

Airway management techniques are of low frequency high risk encounters for EMS providers. This session will provide a review of airway anatomy and BLS airway management techniques. Students will have a chance to practice hands-on with BLS airway techniques to include 1-2 person BVM ventilation, OPA/NPA, suctioning techniques and using various supraglottic airways.

Instructor: Jeremy Wampler Co-Instructors: Josh Wimer, Rebecca Anhold

Limited to: 24

ARV-214 Slap the Cap: Comprehensive Capnography Course

BLS 11 / ALS 16 / 4.0 CEU

Target Audience: All

First nationally presented course on capnography that is an eye opening experience when participants learn the incredible benefits gained from full ET/CO₂ monitoring and waveform assessment. In this exciting and informative session, Bob's discussion includes trauma, cardiac arrest, airway and ventilation assessment and management, from triage of any patient to the ongoing monitoring of the patient. Come learn how to integrate this session into your practice and utilize it to its fullest potential! First at Symposium, the complete comprehensive course with hands on usage and expanded content!

Instructor: Robert Page

HEA-615 Box Alarms for Behavioral Health

BLS 15 / ALS 20 / 4.0 CEU

Target Audience: All

Through a highly interactive skill-based program, utilizing the familiar concept of alarm assignments, participants will be taught a series of skills to address and mitigate potential behavioral health issues. These skills will be taught from an individual, company, management and a policy level. Once complete, the participants will have a global understanding of the concepts and specific applications that can be utilized upon returning to their home departments.

Instructor: David Wiklanski

Limited to: 24

MED-845 Emergency Childbirth in a Nutshell

BLS 14 / ALS 19 / 4.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

Often times, expectant women wait it out too long at home in labor and end up calling for emergency services. Less frequently, you will have a true childbirth crisis on your hands. Learn with providers who routinely deliver babies outside of the hospital setting and get hands-on practice with normal and complicated deliveries. These include: shoulder dystocia, breech birth, premature labor, postpartum hemorrhage, hypertensive crisis and newborn stabilization.

Instructor: Christina Owens Co-Instructors: Tammi Mckinley

Limited to: 50

OPE-923 The Pen is Mightier: The Fine Art of Documentation

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

You just received a subpoena... you're being sued from a call 4 years ago! Would you remember this call? How well did you document it? This presentation deals with medical/legal issues such as consent and refusals - the largest cause of litigation in EMS - as well as giving you a template to use when writing your patient care reports.

Instructor: Kyle D Bates

1:30 PM - 4:00 PM

TRA-1228 Stop the Bleed - The Virginia Trauma System; Training Providers to Train Others in Their Communities

BLS 13 / ALS 18 / Other (specify) CEU

Target Audience: All

Launched in October of 2015 by the White House, Stop the Bleed is a national awareness campaign and a call to action. Trauma centers throughout Virginia are coming together to offer this program for all EMS providers with the hope they will then return to their communities to continue to cultivate this grassroots effort. We believe lay providers through the Commonwealth should be prepared to save a life by controlling hemorrhage. We hope to train 800 providers in Norfolk in 2019!

Instructor: James H Gould Co-Instructors: Basil Asay, Dr. Alan Rossi, Gregory Neiman, Karen Shipman, Katherine Challis, Kenneth Williams

Limited to: 60

1:30 PM - 2:30 PM

ADM-116 I Saw Something...Now Who Do I Say Something To?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, RN

This presentation provides information on how to report suspicious activity to the Virginia Fusion Center. Information will be provided on the behaviors to be reported, including an overview of the "See Something, Send Something" application utilized by the Virginia Fusion Center to receive suspicious activity reports from citizens and first responders across the Commonwealth.

Instructor: Austin C White

ADM-117 Mobile Integrated Healthcare Update

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RN

Mobile integrated healthcare programs can improve EMS operations and impact the wellness of the communities which we serve. There are many models across the country and several programs have been implemented in the Commonwealth. These programs have linked patients to resources, decreased "frequent flyers," improved satisfaction, and streamlined medical care. Learn about benefits of such programs and barriers to implementation.

Instructor: Allen Yee

ARV-215 Be One with Your BVM (Bag-Valve Mask)

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RN

HANDS ON DEMO! Join me as we breakdown and literally break apart the bag-valve mask device. Learn how to troubleshoot the equipment and feel confident repairing and replacing parts should it fail in an emergency. Come and gain a better understanding of what the device can do for your patients after learning about its capabilities and settings.

Instructor: Patrick McLaughlin

Limited to: 25

CAR-419 Managing the Heart Failure Patient

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RN

This presentation will focus on the heart failure patient and EMS providers. How has our understanding of heart failure developed? Why don't we give everybody Lasix? How does CPAP really work? Are they wet or dry? How can a heart failure patient not be volume overloaded? What about new technology, including LVADs, RVADs and the TAH? What is an Impella?

Instructor: George Lindbeck

Friday Courses

1:30 PM - 2:30 PM

CAR-420 Hit from Behind: The Challenge of Identifying Posterior and Brainstem Stroke Syndromes

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RN

Posterior circulation and brainstem strokes can be just as debilitating as hemiplegic strokes but are often more subtle and easily missed. They are also much less likely to be treated as aggressively as anterior or middle circulation strokes, which the NIH Stroke Scale does a better job identifying. In this case-based session, we will go through several examples, allowing you to better identify these devastating types of strokes.

Instructor: Jeff Myers

EDU-524 Building Solid Psychomotor Skills

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Education programs face a large task in preparing students to enter the field as "entry-level competent" providers. Yet, in many cases, skill labs rarely reach beyond the ability to recite the testing skill sheet. With the new Paramedic Psychomotor Competency Portfolio and similar competency-based systems, programs must move beyond the skill sheet and help students develop solid skills. This course is designed to walk educators through the process of building this level of competency from the ground up.

Instructor: Jason Ambrose

EDU-525 Flipped Classroom...Fad or Effective Methodology?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

The flipped classroom concept has become increasingly popular in all levels of education. It seems to be a natural fit for EMS education by allowing more hands-on activities, but a lot of questions still remain. Will it work for my class? Where do I start? How do I implement it? This presentation will look at the benefits and challenges of implementing a flipped classroom.

Instructor: Jason Ferguson

EDU-526 EMS Agenda 2050: A People-Centered Vision for the Future of EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

In 1996, the publication of the EMS Agenda for the Future paved the way for many of the foundational elements of today's EMS systems. Now, a generation later, the EMS community recently came together to craft a new vision for the

40th Annual Virginia EMS Symposium

future. EMS Agenda 2050 took ideas and input from hundreds of EMS professionals and members of the public in order to develop a common idea of what EMS should look like in 30 years. Learn how you can be a part of turning that vision into reality.

Instructor: Michael Gerber

HEA-616 Situation Awareness: Staying Alive and Out of Trouble

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

EMS personnel get themselves caught in the middle of a myriad of dangerous situations and often are not situationally aware of hazards and threats. This lecture details several actual cases and helps attendees understand situational awareness and respond in a more cautious manner. The lecture will address scene size-up, partner backup, working around hazards such as downed power lines, and standby preparedness.

Instructor: Arthur J Heightman

HEA-617 Sleep When You're Dead...But do You Really Want to Wait That Long? The Consequences of Sleep Deprivation in EMS

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We've all done it; picked up that OT to turn that 12-hour shift into an 18 or a 24, or left our full time job to do a full shift at our part time job. Or volunteered to help out, especially during a last minute call out. But what effect does that have your body and mind? What risks does it cause to us as providers, and to our patients? What steps we can take to mitigate those risks? Let's get together and discuss it.

Instructor: Dan Greenhaus

HEA-618 Therapy Dogs in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will illustrate the value of an EMS agency having a therapy dog program. From public relations to making a significant impact on patients and even employees, a therapy dog program is inexpensive, low-risk, and when properly executed, can be an invaluable morale asset. We will discuss the legalities, the risk, and the actual procedure of implementing a therapy dog program.

Instructor: Andrew T. Caruso

LMGT-712 Difficult Conversations - A Necessary "Evil" in EMS Leadership

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Difficult conversations? Nobody likes having difficult conversations, that's why they're difficult. In an effort to continuously develop ourselves and our people, difficult conversations are

necessary. Whether the conversation is with ourselves, a peer, a supervisor, or a subordinate, the conversations have to take place. This presentation will focus on ways to have difficult conversation without derailing the relationship you have with the other person. In fact, the conversation should strengthen the relationship. Mutual respect and compassion are just some of the difficult topics to be discussed.

Instructor: John F Galganski

LMGT-713 What's Really Going On in Rural EMS?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Across the nation, rural communities are seeing their rural EMS agencies struggling to keep responding or already the doors are closed. On the surface it seems to be about the loss of volunteers, but deep down, this crisis is about more than that. For the last 40 years, we have been having the wrong conversation around rural EMS systems. It is time to admit that, and start the next discussion.

Instructor: Steven Gienapp

LMGT-714 New EMS Liability Case Studies

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, RN

EMS court case studies are always of high interest to Symposium attendees. In this session, nationally known EMS attorney Doug Wolfberg will present several new cases where EMS providers and agencies ended up in court. Most importantly, in each case we will explore "lessons learned" so that others can learn from the hard lessons presented in these cases. This session is always good for eye-opening and rigorous debate on the issues!

Instructor: Doug Wolfberg

MED-846 Let the Bodies Hit the Floor: A Closer Look at the "Public Assist"

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, All, BLS

This BLS focused talk will cover one of the most dangerous (from a medical-legal standpoint) and common calls we respond to: The geriatric fall patient. We will identify strategies for effectively assessing the geriatric fall patient, and the warning signs that should make you think twice about allowing a patient to refuse transport.

Instructor: Gary A Heigel

Friday Courses

1:30 PM - 2:30 PM

MED-847 Death in the Ditch: The EMS Death Ritual

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

EMS's role is to mitigate untimely and unnecessary death. Traditionally we maximized our response to initiate resuscitation and transport patients emergently to a higher level of care. There has been significant change in how we perform resuscitations, terminate in the field or transport. We'll discuss the process for when EMS encounters dead or dying patients, death scenes, DDNR/POST, legal issues like Termination of Resuscitation. This is a big picture lecture that dives into details on a few of the important issues.

Instructor: Charles J Lane

MED-848 Stuff You Should Know

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, All, BLS

Can you define pulsus paradoxus? How about Cushing's triad? Brudzinski's sign? The Parkland burn formula? This is an interactive session where participants answer questions about commonly forgotten information. This session will review concepts taught in class, and even used in the field, but not always remembered readily. Attendees will leave saying, "Oh, Yeah!" and "I forgot about that!"

Instructor: Heather Davis

MED-849 Annual Infection Control/ OSHA Update

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, All, BLS, RN

This course will review updated disease and regulatory information regarding OSHA compliance and infection control practices, including what is new since last year and what may be required in the near future. We will discuss the CDC post exposure guidelines and what diseases pose a risk in the state of Virginia. Attendance at this session will meet your annual training requirement.

Instructor: Katherine H. West

MED-850 For God's Sake, Don't Push!

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

For God's Sake, Don't Push! - The excitement and potential disasters of prehospital delivery. This lecture will cover bleeding in pregnancy, the uncomplicated and complicated field delivery and an overview of management of mom and baby after delivery. This lecture will teach you how to manage the mom, the baby and your stress level if you

find yourself face to face with a baby that will not wait for the hospital to make their entrance into the world.

Instructor: Eric Stanley

MED-851 Prehospital Point of Care Ultrasound, Is It All Just Hocus Pocus?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, MD, DO, RNs

Prehospital Point of Care Ultrasound (POCUS) is a rapidly growing field. In skilled hands, ultrasound can guide management of cardiac arrest as well as medical and trauma resuscitations. Other uses include expanded diagnostic capability of mobile integrated health programs and advanced procedural guidance. Is your agency using ultrasound or considering developing a program? This course will use real cases to provide examples of the benefits and pitfalls of a prehospital ultrasound program.

Instructor: Amir K Louka

OPE-924 Through the Looking Glass - What Actually Happens as a Tactical Medic

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Tactical EMS, do we really need the tactical medic? Have you ever wondered what these "tactical medical operators" really do on a barricade? We will review a hostage barricade incident and show how these highly trained medics can provide immediate medical care. This is not about having medics with weapons rather it is about bringing specialized care to a unique environment.

Instructor: Ray Whatley

OPE-925 Are You an EMS Detective?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation focuses on assisting the EMS provider "detective" in raising awareness of their surroundings, and information presented to them; "clues" to better assess and treat the patients they encounter. It deals with the external environment, as well as subjective and objective information. There also are case presentations/scenarios to assist the audience in understanding presented concepts.

Instructor: Tim Perkins

OPE-926 Is There an EMT On Board?! Responding to In-Flight Medical Emergencies

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

You've just settled -or crammed- into your airplane seat when an announcement is made asking for a medical professional. Looking around, nobody else budges. Reluctantly you alert the flight attendant,

but what next? This course will cover the aspects of delivering medical care in the air. Topics include legal/scope of practice issues, equipment, interacting with flight crews, and patient transfer. Frequent flier miles not included!

Instructor: Lucian A Mirra

PED-1018 Basics of Working With Children in Crisis

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This presentation will provide basic information on child development, interacting with children in crisis and tips to increase compliance in children. Specific areas that will be focused on include: child-friendly language, working with children who have experienced trauma, and developmentally appropriate coping strategies for pediatric patients. The goal of this presentation is to leave the provider feeling more comfortable and confident in interacting with children by educating on ways to decrease a child's psychological upset.

Instructor: Schoni Marchio Co-Instructor: Madison Carroll

PED-1019 Pediatric Trauma Through the Ages: Injuries by Developmental Stage

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Pediatric Trauma Through the Ages is a focused interactive presentation discussing pediatric injuries by developmental stages. Case studies will include varying age groups from infancy to school age children. Age-appropriate interventions will be reviewed for infant, toddler, preschooler and school age cases. The presentation will emphasize the importance of family-centered and the importance of being a trauma-informed care provider. Infant cases, common unintentional and intentional injury patterns; toddler-burn injury; preschooler MVC and safety seats; school age-bicycle injury and proper helmet use.

Instructor: Tanya Trevilian

TRA-1229 IEDs, EFPs and Other Explosives: What They are and How to Treat the Injuries

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

This session will discuss the use of explosives as weapons and the complex injury patterns that occur. Mr. Nitsch will provide a unique insight into these oftentimes devastating injuries based on his firsthand experiences in Iraq and Afghanistan. Also discussed will be an overview of the types of explosives, the "anatomy" of an explosion, and the immediate and long-term treatment of blast injuries.

Instructor: David Nitsch

Friday Courses

2:00 PM - 5:00 PM

BLS-308 BLS Academy - Cardiovascular, Part 2

BLS 12 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Presented by the faculty of Tidewater Community College, this is the eighth class in the BLS Academy and satisfies the remaining 3 hours of the required 6 hours in Cardiovascular Emergencies Category 1/NCCR (2016) effective April 1, 2017.

Instructor: Frank I Signorelli

3:00 PM - 5:00 PM

CAR-421 Nothin Basic About It - Breaking Down the BLS Cardiac Arrest!

BLS 12 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

It always comes back to the fundamentals! This hands-on course will include practical evolutions, as well as learning stations on basic airway anatomy and BVM, BLS airway adjuncts, rescue airways and end-tidal CO2 monitoring. Students will learn how chest compression fraction (CCF) is measured and why it is more important than ever to minimize interruptions in compressions during a cardiac arrest. No powerpoints, all hands-on learning with integrated scenarios to stimulate some critical thinking!

Instructor: Damien G Coy Co-Instructors: Amber Obert, Heath Saunders, Matt Snyder, Nathan Otis

Prerequisite: Must be able to perform manual CPR for at least 2 minutes at a time. Must be able to perform simple lifting and moving techniques in-line with functional description of the duties of an EMT.

Limited to: 20

EDU-527 Competency Based EMT Education

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: Educators

If you enjoy conducting a CTS, then this class is not for you. If you've thought about accreditation or you're an accreditation expert, this exciting session is for you! This session will review the ins and outs of the TR-90a+ that Prince William County Department of Fire and Rescue uses to document competencies during course scenarios. Through psychomotor exemption due to accreditation, students complete their competencies and take their written test at the end of class. There will be a round-table opportunity for educators to share resources too.

Instructor: Ryan F Kirk Co-Instructors: Marshall Whahram

EDU-528 Simulation Stinks - At Least If You Do It Right

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: Educators

Hold your nose for this one and hope you're close to a window. Preparing EMS students for the field requires exposure to some tough situations they will encounter. In this hands-on presentation, we'll take moulage to a new level. To build experience in the classroom, students must learn to tolerate the smell of...well, bad stuff. Come learn effective moulage tools to build that "iron stomach" in your students, and help them recognize clues to patient diagnoses. We'll show you how to create some sights and smells for show and tell.

Instructor: Daniel W Linkins Co-Instructor:

Jeanette Mann

Limited to: 32

HEA-619 Violence Against EMS Providers

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

Violence against EMS providers is on the rise globally, and recent events have brought these incidents to the spotlight. The National EMS Management Association has appointed a committee, chaired by the presenter, intended to combat this violence. This presentation will illustrate the different resources available to field personnel and their management as well as share tools used successfully and those being trialed across the country. We will also discuss the national debate about whether or not EMS providers and firefighters should be permitted to carry weapons.

Instructor: Andrew T. Caruso

LMGT-715 Virginia Code for EMS Providers

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This program will provide EMS providers with information on Virginia Law as it relates to the protections and powers given to medical services from both Fire and EMS perspectives. Also covered will be case studies and discussions on how to remain safe when providers are exercising these powers as well as the involvement of outside agencies when seeking additional assistance, such as from the police department or the magistrate. This program will provide participants an opportunity to ask questions related to these powers to a police officer and prosecutor.

Instructor: Justin W Witt Co-Instructors: Michael P Athenry

PED-1020 Trachs, CVLS and G-tubes, Oh My!

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Take a deep breath and come learn some tips and tricks on caring for pediatric patients with special needs and/or special equipment. Topics to be discussed will include pediatric patients with cerebral shunts, epilepsy, common congenital heart conditions, tracheostomy/ventilator dependence, central venous lines/port-a-caths and feeding tubes. I'll teach you how to manage the needs of these kids and their equipment, while keeping your cool in infrequent but potentially high acuity situations.

Instructor: Tiffany G Chatham

3:00 PM - 4:00 PM

ARV-216 Been There, Done That, Got the PE-Shirt

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

We read about pulmonary embolisms in textbooks, but what do they look like in real life? How do they present, what are their classic (and less-than-classic) sign and symptoms, and how can the prehospital provider better care for these patients? Take it from someone who has experienced them first-hand after surgery resulting from an on-the-job injury. Learn the differentials and mimics for pulmonary embolism, and find out how you can best treat these patients.

Instructor: Lucian A Mirra

CAR-422 Pumps Your Blood

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

We all know that the heart moves blood around the body, but HOW does this magnificent organ accomplish the task? This session will explore cardiac physiology, including a correlation of the heart's function to a basic ECG tracing. Additionally we will discuss how other body systems are affected when the heart fails.

Instructor: Mary C Gardner

CAR-423 Basic 12 Lead ECG Introduction and Review

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, RNs

Have you ever wanted to know how to "Read that 12 Lead"? This course will discuss basic 12 Lead ECG interpretation. This course is ideal for EMTs and AEMTs that want to learn how to interpret a STEMI on a 12 Lead ECG and for paramedics who want a quick brush-up review of basic 12 Lead ECG interpretation.

Instructor: Timothy S Redding

Friday Courses

3:00 PM - 4:00 PM

EDU-529 EMS Education Standards, Scopes of Practice & Agendas for the Future!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This lecture will bring you up to date on what is currently happening with the revision to the current NHSTA National EMS Education Standards and Instructional Guidelines revision project. Bryan is the project director for this project, and he will be here to explain why the National EMS Education Standards, 2018 National EMS Scope of Practice and the EMS Agenda 2050 Envision the Future documents are important in the advancement of EMS and EMS Education and how they work together to help define the future of EMS.

Instructor: Bryan F Ericson

EDU-530 Army Values: Can They Work in EMS?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Many people have misconceptions about how the Army develops leaders and values as an organization. Media and the portrayal of the military in Hollywood drive and reinforce these misconceptions, and rather than becoming a value based organization, the misconceptions feed a toxic culture. This session debunks some of the myths surrounding Army leadership and demonstrates how EMS organizations can incorporate the Army's, or other values, as part of their organizational culture. The material draws heavily on the presenter's nearly 30 year dual careers in the Army and EMS.

Instructor: Steven Gienapp

HEA-620 FIT Under FIRE

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

In this line of work, we do an excellent job at caring for others, but we don't always take the time to focus on what's most important - our own personal health and fitness. In this class we will break down the basics and squash the "gymtimidation" factor by explaining weightlifting, cardio, and career-relative fitness techniques to help keep us performing our best when times are at their worst. This job can get serious fast, so don't wait until being strong is your only option, to find out you're weak!

Instructor: Cody R Monger

LMGT-716 The Celtic Influence in American Public Safety Culture: Bagpipes at EMS, Fire & Police Ceremonies

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

A presentation on the Scots-Irish influence on American Public Safety culture focusing on the playing of Highland bagpipes at ceremonies such as graduations, funerals, and other events. An exploration on how and why this tradition developed and an explanation of what bagpipes are exactly. All are welcome to attend for a better understanding on this topic.

Instructor: Stephen M Mcneer

MED-852 There's Nothing "Basic" About Me!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Are BLS providers overlooked on EMS scenes, in favor of ALS? This lecture discusses the relationships, real and perceived, in the world of EMS, as it pertains to BLS and ALS providers. It focuses on how vital BLS providers really are to the EMS system, how the role of the BLS provider is ever-evolving and discusses ways that BLS providers can be of further assistance on scenes.

Instructor: Tim Perkins

MED-853 Everything Drugs

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Everything you ever wanted to know about common street drugs will be discussed, including Fentanyl, bath salts, MDMA, marijuana, cocaine and several more. You will learn how to recognize use, abuse and overdose. Once recognized, this talk will describe prehospital management and treatment of these ingestions. Sorry, no free samples!

Instructor: Brian D Ekey

MED-854 Home Medication Heartache

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

It seems there is a pill for every illness. Knowing which medications to use in a prehospital emergency is one thing, but understanding the thousands of medications used at home by patients and their interactions is quite another feat! This session will focus on the mechanism of action of cardiac drugs by class in order to ensure participants leave with knowledge of the most common drugs and most lethal drug interactions in the field. This session has pearls of wisdom for all levels of providers.

Instructor: Heather Davis

MED-855 Pouring from an Empty Cup: Mental Wellness and Suicide Prevention for our Own

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, RNs

Social media raves about it. The news talks about it. We preach about it... but do we really understand the dire importance of taking care of ourselves and each other's mental well-being first? This talk will discuss cultural change, specifically in the world of EMS and Public Safety, and how the growing crisis of suicide needs our attention. It's not all doom and gloom: in exploring stigma change, we'll discuss practical approaches for mental wellness and suicide prevention.

Instructor: Kayla W Long

MED-856 Hot Topics in Prehospital Care

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will be a "rapid fire" review of controversial topics in prehospital care and the evidence base behind them. For example: How should we handle the airway during cardiac resuscitation? Is double simultaneous defibrillation really a thing? Do pelvic binders improve patient outcomes? Do medications in cardiac arrest make a difference? Where do we stand on tranexamic acid (TXA)? Do we really understand the role of mechanical CPR devices in EMS? What is the best acute stroke evaluation tool?

Instructor: George Lindbeck

MED-857 Ever Heard of Marfan's Syndrome?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This session will introduce participants to Marfan's Syndrome, a rare connective tissue disorder that can effect numerous body systems to varying degrees. Mr. Nitsch will discuss the challenges in the diagnosis and care for a person with Marfan's Syndrome as well relay personal insights having raised two children with Marfan's Syndrome.

Instructor: David Nitsch

OPE-927 Do We Really Need to Take That Dog?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Dogs have proven they are very useful to help out mankind. As research furthers we find that service animals help out more people than ever before. In today's world there are not only service animals but there are also therapy animals. You must know the difference between the two and whether or not you should transport the animal along with the patient.

Instructor: Daniel Frazier

Friday Courses

3:00 PM - 4:00 PM

OPE-928 Implementing a Just Culture to Increase Medical Error Reporting and Improve Patient Safety

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

More than 98,000 deaths per year are caused by medical errors, the number six leading cause of deaths in the United States. One reason for this wide spread problem is failure to report these errors due to fear of punitive actions, lawsuits and loss of public confidence. Fear and mistrust has caused a trend of cover-ups, falsification of records, and blaming rather than one of transparency and honesty. Outcome Engenuity's Just Culture program is one option to help administrators develop the culture needed for reporting systems to be implemented.

Instructor: Robert J Galvin

OPE-929 Preparing for the Unexpected Mass Casualty Event

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This lecture highlights the actions should be considered in advance of a major incident, including planning, preparation, logistics, policies and equipment, and the actions that should be taken in the first 30 minutes of a multiple casualty event that will ensure the proper results are achieved at an incident. A.J. Heightman will give you his perspective on the most important areas that should be focused on before, during and after an unexpected Mass Casualty Event to attain optimal success.

Instructor: Arthur J Heightman

PED-1021 Pediatric Shock: What is the Cause and What Can I do on the Way to the Hospital?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Shock management guidelines have changed recently for the adult population of patients. Some of the definitions and management of pediatric shock, specifically for septic shock, are changing as well. Fluid resuscitation and vasopressor management continue to be hallmarks of initial stabilization. This lecture reviews current guidelines and definitions of different types of sepsis as well as recommended management of these patients.

Instructor: Laura Boomer

PED-1022 How Did That Really Happen? Recognizing Child Abuse

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Have you ever thought, how did they really do that? And then feel the real need to say something? How we recognize and react to Child Abuse is important, yet we don't spend very much time talking about it or in training. In this session Kirk will explore case studies of suspected, confirmed and debunked cases of abuse, neglect and maltreatment. Join Kirk as he works from case to case to determine how the injury occurred, what signs to look for and when to report what you see.

Instructor: Kirk E Mittelman

TRA-1230 New Concepts in Traumatic Brain Injury Care: The Hypotension Threshold

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

Hypotension significantly complicates traumatic brain injury (TBI), worsens neurological damage, and increases adverse outcomes. A central question in the management of traumatic brain injury is when hypotension actually begins. Recent evidence suggests traditional EMS definitions of hypotension in TBI may place these patients at an increased risk of neurological impairment or death. This presentation will examine new concepts in the emergency management of TBI, with a specific focus on identifying a hypotension threshold.

Instructor: Kenneth W Navarro

TRA-1231 Blast injury - Understanding Injury Patterns and Exposures

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This is a review of explosive injury patterns. The focus will be on recognizing signs of injuries and care with an emphasis on prehospital evaluation and treatment. There will be a basic review of high vs low order explosive risks and an injury pattern assessment of populations from recent major bombing attacks.

Instructor: Khaled F Basiouny

4:30 PM - 5:30 PM

ARV-217 Ventilation Basics: This Session will Change Your World!

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RN

Stop ventilating like your parents used to do. This class will cover common pitfalls in airway management and various methods and devices used to better control the patient's airway. We

will discuss: airway opening, better BMV ventilations, PEEP valves, suction catheter usage, patient positioning etc. YES, you need this class, don't fall into the trap of thinking you don't need improvements in your techniques.

Instructor: Timothy S Redding

ARV-218 RSI: RESUSCITATION Sequence Intubation

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, RNs

There is nothing particularly fast about paralyzing and intubating a patient, and it is a highly complex intervention with significant risks. Is our historical focus on the RAPID part of RSI off-target in EMS? This presentation will look at the challenges of paralytic-assisted intubation, explore the concepts of Delayed Sequence Intubation (DSI), outline the HEAVEN criteria, and examine and review the priorities and truly critical components of airway management.

Instructor: Gary A Heigel

CAR-424 High-Tech Hearts

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Occasionally we may encounter a patient who is dependent on some type of cardiac device. While we usually do not make adjustments to the devices themselves, it is helpful to have a good understanding of what they are for, how they work and what an EMS provider should expect when caring for patients with such devices. The lecture will include devices such as pacemakers, implanted defibrillators, and LVADs.

Instructor: Mary C Gardner

CAR-425 Is That a STEMI or Am I Seeing Things?

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

Have you ever called a STEMI Alert only to find out the patient wasn't actually having an infarct? There are many things that can mimic a myocardial infarction, from the benign to the critical, but what are they and how can we differentiate them from a STEMI? This course will utilize case studies of real STEMI mimics and discuss how to differentiate and treat each of these common imposters.

Instructor: Lucian A Mirra

CAR-426 Important EMS Research from 2018-2019: Ten Minutes at a Time

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This presentation will review the results of five research studies published in 2018/2019 that may change the way EMS personnel care for patients in the near future. This session will review the

results of the PRAGMATIC Airway Trial (airway management in cardiac arrest), the PARAMEDIC Trial (epinephrine administration in cardiac arrest), the PHANTASi Trial (prehospital antibiotics for sepsis), the COMBAT Trial (prehospital use of plasma), and the prehospital use of IV sodium nitrite following cardiac arrest.
Instructor: Kenneth W Navarro

Friday Courses

4:30 PM - 5:30 PM

EDU-531 Repetition, Repetition: Does it Work for Today's Students?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

You have been taught through repetition how to be an EMT, AEMT and Paramedic. Is this really the way to learn, teach and perform in the field? In this session we will evaluate what works and doesn't work with students enrolled in EMS programs. Is there a way we can reach more students by showing and doing a wide variety of methodology and pedagogy? Join Kirk and Margaret for some new and old ideas for teaching while helping you not to repeat the same lectures over and over again.

Instructor: Kirk E Mittelman Co-Instructor: Margaret A Mittelman

EDU-532 What? I Actually Have to Talk to People? Helping EMS Students Learn to Communicate Effectively!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Take a look around your classroom, what do you see? Are your students instantly reaching for their iPhones and Androids when released for break? (Or even worse, during class?) Are they upset when email is not returned within seconds or that you actually ask them to call you or come by your office to talk? Have you ever received a written assignment in cryptic text language? This lecture will help you understand the role of social networking, text messaging and modern technological communication tools in the classroom.

Instructor: Bryan F Ericson

HEA-621 Peer Support: Supporting our Own

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

This presentation will discuss Stress, Trauma, and PTSD. Having organizationally experienced five Line of Duty Deaths, we will provide individual accounts and effects of a Peer Support Team. We will discuss how we conquer it organizationally, manage it and provide our colleagues the support they need to get back on the front

lines and serve our communities.

Instructor: Robert J Galvin

LMGT-717 EMS, the Internet and Social Media: Time to Get Engaged

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Departments have the ability to directly address the public, field questions, and give the public a window into what we do, our job and how we put their tax dollars to good work. This presentation will help explain the benefits of having an official social media presence and an official website. During the presentation, we will review two styles of official websites. Lastly, we will cover the dangers of SMACSS (Social Media Assisted Career Suicide Syndrome), and how to prevent it from negatively reflecting the department.

Instructor: Dan Greenhaus

LMGT-718 "Over the River and Through the Woods"- All About Rural EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Providing EMS care in rural settings can be a challenge from a number of different perspectives, from recruitment and retention, ensuring proper response and maintaining viability, just to name a few. This presentation looks at the most common issues surrounding rural EMS and some ideas for solutions, with the anticipation of significant participation from the audience in discussing items that may need to be addressed in their own system.

Instructor: Tim Perkins

MED-858 Everything Alcohol

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Everything you ever wanted to know about ethanol and the toxic alcohols: methanol, ethylene and isopropyl will be discussed, including how to recognize use, abuse, and overdose. Once recognized, this talk will describe prehospital management and treatment of these ingestions. Bonus! Hangover prevention, control and treatment will be covered at the end of class.

Instructor: Brian D Ekey

MED-859 Septic, Hypovolemic, Obstructive, and Cardiogenic Killers (S.H.O.C.K.)

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, All, BLS, RNs

It can be said that anyone who ever died, died from shock. The question is what type of shock did they die from? How can we recognize types of shock and how does treatment differ? Is it compensated, decompensated or irreversible? Why is hypotension confused with shock? This

course provides a review of the different types of shock, common pitfalls and new trends in treatment.

Instructor: Jason Ferguson

MED-860 When the Provider Becomes the Patient: HELLP Syndrome, Pre-Eclampsia & Other Scary OB Medical Emergencies

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

OB emergencies are high stakes and can be high stress. Not all OB emergencies present with vaginal bleeding or abdominal pain. Sometimes these emergencies are more subtle. Taught from the perspective of an EMS provider who experienced severe preeclampsia and HELLP syndrome personally, this course will provide a review of hypertensive emergencies, eclampsia, HELLP syndrome, and other medical emergencies unique to OB patients.

Instructor: Stephanie K Louka

OPE-930 Why ROSC Needs to Die: How Using the Wrong Performance Measures Can Harm Your Patients

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

For years, Return of Spontaneous Circulation (ROSC) has served as one of the primary measures used by EMS systems to assess performance. While it's now widely accepted, that survival with neurological function is a better metric, systems continue to use ROSC. Yet using ROSC and other common measures, including first-pass intubation rates, may cause more harm than simply not measuring anything at all. This session presents an evidence-based, patient-centered look at EMS performance measures and what agencies should, and shouldn't, be measuring now.

Instructor: Michael Gerber

OPE-931 Bus Collision Response: The Three Things You Need To Know

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher

Every day in your community, vehicles travel the road carrying large numbers of potential victims; some children, some elderly, some with special medical issues, and all your responsibility. This program will help make you ready when it happens in your area. Presenting lessons learned from around the world, along with personal experience managing school bus and inter-city tour bus incidents, Rom Duckworth lays out the three key steps to managing major (and minor) motor coach collisions in your response area.

Instructor: Rommie L Duckworth

Friday Courses

4:30 PM - 5:30 PM

OPE-932 Anatomy of an Air Ambulance Request

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This course will provide an overview of Helicopter Emergency Medical Services (HEMS) in Virginia. We will discuss Air Ambulance utilization and some current practices around the state. Information will also be shared regarding what transpires from the time of an Air Ambulance request with regards to flight acceptance, weather exceptions, special considerations, etc. This discussion will provide ideas/recommendations towards the activation and use of an Air Ambulance.

Instructor: Bryan K Ferguson

PED-1023 Prehospital Care and Transport of the Critically Ill Child

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Critically ill children require careful management in the prehospital phase of care. Knowledge of the differences in pediatric anatomy and physiology is key for all members of the pediatric care team. This lecture will provide guidance in regards to the basics of resuscitation during transport, mode of transport, and key considerations for care of the pediatric patient.

Instructor: Laura Boomer

PED-1024 Pediatric Seizures

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Pediatric seizures are frightening for families, and can be life threatening to the child. Join us as we discuss some of the more common pediatric seizures, their etiologies and treatment. We will view video clips of various seizure types as we discuss the initial goals of care for these patients.

Instructor: Dusty Lynn

TRA-1232 Ring My Bell! Concussion Pathophysiology and Care

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Patients who have sustained a concussion are commonly encountered by EMS, both in organized sporting activities and during unorganized activities. The long-term effects of concussions are only recently coming to light in many contact sports. Concussion severity can range from mild to severe. In this session, participants will review the pathophysiology, treatment, and return to play recommendations for patients who have sustained a concussion.

Instructor: Jeff Myers

TRA-1233 Making Sense of Homeostasis Directed Trauma Resuscitation

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Hello! My name is trauma; I am responsible for over five million deaths yearly. More people die from me than cancer. Historically, mass infusions were the resuscitation approach. Not so much now, as we better understand the lethal triad in trauma. The body's physiological response to injury often results in acidosis, hypothermia and coagulopathy. This triad is a vicious cycle and often results in exsanguination. Death is eminent unless resuscitation is effective. This lecture will revolve around this new approach to trauma resuscitation and collapsing the lethal triad in trauma.

Instructor: Travis L Karicofe

TRA-1234 Trauma Triad of Death - Managing Shock from Prehospital EMS to Trauma Centers

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RNs

This lecture will examine the trauma triad of death. Emphasis will be placed on understanding the triad and the need for aggressive disposition by looking at a variety of case scenarios and lessons learned. We will focus on a prehospital disposition and will spend time looking at in-hospital management of standard trauma injuries.

Instructor: Khaled F Basiouny

Saturday Courses

8:00 AM - 9:00 AM

HEA-632 "Reconnect With the Why" - Facing Provider Burnout

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Join EMS legend, Randolph Mantooth (Paramedic John Gage from TV show "Emergency!"), as he shares his personal perspective of 40 years of experiences and interactions with providers and those who have suffered from provider burnout. Randy stresses the importance of recognition of burnout versus PTSD, and helping providers with reconnecting with "the why" - what motivated the provider to get involved in the first place. NOTE: "Celebrity Appearance Subject To Change"

Instructor: Randolph Mantooth

9:30 AM - 12:30 PM

MED-861 Stethoscopy for Dummies

BLS 11 / ALS 16 / 3.0 CEU

Target Audience: All

Do you know how to use your stethoscope? How much training did you get? This will fill the gap. In this session, participants are provided down-to-earth "for dummies" information on various types of stethoscopes and how to use them to get the most out of patient assessment. In this "ear-opening" session, new and improved methods and techniques are presented. You will need to bring your own stethoscope to this class to hear actual sounds, so you can experience them.

Instructor: Robert Page

Limited to: 52

Student Equipment: Students will need to bring their own stethoscope to this workshop.

9:30 AM - 10:30 AM

CAR-427 It's Green Flag Racing in Resuscitation!

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Cardiac resuscitation continues to evolve and Guidelines 2015 emphasize the importance of the best BLS and correct integration of ACLS. This presentation will point out and discuss what the AHA says is most important, and what is less important, and the science behind it all. Then we will plug the priorities into roles and create a footprint for a "high-performance resuscitation" program, also known as the Pit Crew Approach. A review of how this was implemented in a locality in Virginia and its success will wrap the presentation up.

Instructor: Travis L Karicofe

CAR-428 Hit Me With Your Best Shot

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Sudden death due to ventricular fibrillation may occur when a projectile, such as a baseball or hockey puck strikes the chest of a child with no underlying cardiac disease. This is known as commotio cordis. Although it is a relatively rare event, quick assessment, resuscitation and defibrillation can many times produce a favorable outcome. This presentation will explain the pathophysiology and treatment of this anomaly.

Instructor: Christopher Ebright

Saturday Courses

9:30 AM - 10:30 AM

CAR-429 Bradycardia in Acute Coronary Syndrome

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: All

Bradycardia and atrioventricular blocks are common side effects of the conditions associated with acute coronary syndrome. Prehospital providers should be prepared to recognize and effectively treat these often-life-threatening dysrhythmias. This class will prepare providers to rapidly recognize slowed conduction and to interpret the distinct types of atrioventricular blocks. Specific attention will be given to the pathophysiology of ischemia, particularly as it applies to cardiac depolarization and conduction. Rhythms will be reviewed, and treatment modalities will be discussed.

Instructor: Dan Batsie

EDU-534 Sixty Things in Sixty Minutes

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, All, BLS, Educators

This rapid-fire presentation will touch on sixty specific EMS topics, including myths that need to go away, current best practices, new and exciting interventions and even a glimpse into what the future of EMS may look like. The pace of this lecture will not allow for in-depth details, but reference material and sources will be provided to all participants for the majority of subjects covered.

Instructor: Gary A Heigel

HEA-622 Situational Awareness: "Keeping Your Head on a Swivel"

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, RNs

Everyone knows that being "on the job" can be dangerous. Are we training our people to be safe and keep a high level of awareness? During this lecture, we will discuss what to be watchful for while out on a scene and training methods to keep your members best prepared for the worst situations.

Instructor: Matthew J Snyder

LMGT-719 Solving the Rubik's Cube of EMS Leadership

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

Leading an EMS agency can be a complex endeavor involving issues such as finite resources, hiring and disciplining employees/volunteers, relationships with elected officials, policy development, recruitment and retention, budgeting and handling public relations - it can

often feel more difficult than solving a Rubik's Cube. Just when you think you are making progress in one area, another one seems to need all of your attention. But just like solving a Rubik's Cube, no one is an immediate expert and leadership gets easier as you focus on the overall solutions.

Instructor: Raphael M. Barishansky

LMGT-720 "But That's Not How We've Always Done It!"

1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

Anytime organizations are progressing from the "but that's not how we've always done it" system to an updated system approach, can frequently cause tension and strained relations both internally and externally. Whether it's regulations, expectations or science, the need for agencies to remain open to change continues. Realization that change is inevitable is critical for any agency to survive and thrive. In this presentation, we will explore some real scenarios and some of the various resources available to assist agencies to not only survive, but to succeed.

Instructor: Christopher M Vernovai

LMGT-721 I Didn't Sign Up For THIS!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

"Chief criticized for meltdown at fatal crash scene." "Provider makes pit stop during transport." "EMT admits posting photos to Facebook." EMS providers and agencies are often in the media for difficult situations such as these that they are put in or put themselves in. These situations often require action from the EMS Manager or agency leadership. This presentation provides information on real situations that EMS leaders have faced, how the situation could be effectively dealt with, and how the situation was ultimately resolved.

Instructor: Tim Perkins

LMGT-722 Where Have Johnny and Roy Gone?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

WHERE HAVE JOHNNY AND ROY GONE? - This 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 20 years and how those changes have affected 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.

Instructor: John Todaro

LMGT-723 Pediatric Considerations in Community Paramedicine and Alternative EMS Disposition Models

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

There has been increased recent attention to innovative models of prehospital care, including community paramedicine, mobile integrated health and the use of 911-linked nurse triage lines. This session will explore the unique needs of children in these alternative models, including age-specific triage protocols and transport considerations. Participants will review recent local pilots of alternative EMS delivery models that have included pediatric patients.

Instructor: Caleb E Ward

MED-862 What Size Batteries Does Your Patient Take? Patient Assessment Technology Pearls and Pitfalls

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Technology has become all too commonplace in the practice of EMS. How many of us really remember EMS practice without them? The problem develops when we rely on these technologies and forget to really look at our patients. One of the EMS provider's most basic skills is the ability to assess patients. By having some fun and going back to the basics in our approach, we can build on and enhance this critical skill making us all more skilled and proficient EMS Professionals!

Instructor: Bryan F Ericson

MED-863 Too High, Too Low, Just Right! Emergent Blood Pressure Control

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, RNs

This presentation will look at the indications for and medication used for the emergent control of hypotension and hypertension. What is the right blood pressure for a particular patient in a particular situation? What do we need to know about the intravenous medications used for shock syndromes and hypertensive emergencies? What is the role of "push pressors" in emergency prehospital and inter-facility care?

Instructor: George Lindbeck

Saturday Courses

9:30 AM - 10:30 AM

MED-864 It's NOT Always Sepsis: A Common Sense Approach for ALS and BLS Providers

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RN

For every two heart attack patient cared for by EMS, five patients are hospitalized by sepsis. EMS transports 60 percent of patients with severe sepsis arriving at the ED, yet EMS providers are often unaware of its presence or what they should do if they find it. Yet, calling everything "sepsis" is not the answer. This presentation discusses how new sepsis criteria can be applied in the field, along with discussing the current state of sepsis critical care, and what we can anticipate in the coming months and years.

Instructor: Rommie L Duckworth

MED-865 Mimic: Decoding Conditions That Mask Patient Diagnosis

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

All is not as it appears in patient care. There are dozens of conditions that can mimic other more common ailments our patients may have. This program will talk about some of the more common ones in case study and discussion format. We'll look at MI mimics like hypertrophy, pericarditis, bundle branch blocks and more. Stroke mimics like Bell's palsy, diabetic issues and seizure postictal states and more. We'll even talk about some more rare conditions like Lyme disease and certain psychiatric issues. We'll help you decode them all!

Instructor: Rory S Putnam

MED-866 The Patient Has The 'Couch Criteria' - Do You Mean qSOFA?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Septic shock is one of the leading causes of death worldwide. For each hour that passes after the onset of hypotension, survival drops 7.6 percent. Patients are three times more likely to survive when EMS reports a sepsis alert? Etiologies and presentations are varied based on age and risk factors, but the Quick Sequential Organ Failure Assessment (qSOFA criteria) coupled with ETCO2 readings are excellent clinical indicators in adults. Rapid intervention has shown to decrease morbidity and mortality, but some patients are not fluid responsive and vasopressors are inconsistently applied.

Instructor: Connie J Mattera

OPE-933 Refusals 2.0-What to do When You Have to Take NO For an Answer

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

Most providers don't think twice about refusals, however they can come back to haunt a provider if not done right. This program will present the issues surrounding refusals, potential liability from improperly obtained refusals, and how to properly obtain a fully informed patient refusal that should withstand challenge. We will also review special circumstances such as the intoxicated patient, minors, and minors with children. This program will be beneficial for providers, administrators, and educators and shed light on this topic taken for granted.

Instructor: Justin W Witt

OPE-934 Safety and Care Considerations at Active Shooter and Mass Casualty Events

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This lecture will focus on the changing hazards, demands, care and operational aspects that EMS and fire service officials and incident commanders must consider and focus on to save the maximum number of patients and protect their personnel at fast-paced and hazardous multiple patient events. A.J. Heightman will address the modifications needed to MCI operational, triage and transportation functions at volatile events, and address specific techniques for Command Post operations; vehicle staging and positioning; Triage while under fire; Use of Citizen first responders; and Transportation and patient distribution.

Instructor: Arthur J Heightman

OPE-935 When it Really Hits the Fan, Who Ya Going to Call? All-Hazard Incident Management Teams

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

All-Hazard Incident Management Teams (AHIMTs) were created in 2004 to support local jurisdictions during disasters, large planned events and to support Emergency Operations Centers. AHIMTs are made up of multi-discipline personnel from Fire, EMS, Law Enforcement, Emergency Management, Health Department, Public Works, Information Technology and Geographic Information Systems. In Virginia these teams are a State asset that can be deployed to disaster stricken areas and can be deployed outside the State to support Emergency Management

Assistance Compacts with other States. Come learn how these teams can help you.

Instructor: Steve Strawderman Co-

Instructors: Lee Williams

OPE-936 When Pigs Fly: Leadership In a New Millennium

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, MD, DO

In this session you will be presented on strategies for identifying and enhancing leadership and management styles. We will also discuss organizational culture and organizational functional behavior patterns. This is what can happen when you realize that pigs do fly and you can affect better organizational outcomes at any level.

Instructor: Billy G Mcdaniel

PED-1025 Pediatric Pit Crews for High Performance CPR: From Protocol Development to Program Implementation

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

Maryland statewide pediatric protocols for CPR changed on July 1, 2018, to move CPR for infants and children to High Performance CPR. This presentation will share the process that the Pediatric Committee led from protocol development with algorithm modifications to curriculum development and training resource production and finally to 90 minutes hands-on workshops across the state. Through the use of both high and low fidelity manikin training, a standardized didactic movie and team challenges, CPR performance scores, that start well below 50 percent soared to the high 90 percent.

Instructor: Cynthia J WrightJohnson

Co-Instructors: Karen O'Connell, Rick High

Prerequisite: EMS or Healthcare provider (this HP CPR is not meant for the lay public so as not to conflict with AHA based teaching.)

PED-1026 Pediatric Patients: Parents and Pitfalls

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO, RNs

Dealing with pediatric patients can be stressful, even to the most experienced providers. Join in this presentation as we discuss tips and pearls from a health care provider with over 30 years of pediatric critical care experience. More importantly, Dusty has discussed this topic with many parents of critically ill children who are eager to share their thoughts on the topic with health care providers.

Instructor: Dusty Lynn

Saturday Courses

9:30 AM - 10:30 AM

PED-1027 Do You Handtevy?

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: AL, BLS, Educators, RNs

Learn how to utilize the concepts of the Handtevy method to rapidly assess pediatric patients, determine weight, calculate drug dosages and how to master the "Pediatric Pit Crew." Learn if you are a fast or slow thinker and how each plays an important role in pediatric resuscitation and takes the fear out of hearing the dispatch "pediatric arrest." Learn the five steps for restarting the heart - and "A" does not stand for Airway OR Appearance!

Instructor: Elizabeth Smith

TRA-1235 Slow Down and Buckle Up: A Case for Staying and Playing

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

How often do you wear your seatbelt while performing patient care en route to the hospital? Most EMS providers would answer, "not very often." Why is this an allowable standard? In this session, we will discuss patient outcome data: treating patients on scene vs. "load and go." How can EMS change the dangerous tradition of riding unbelted? Under what conditions should we be moving around in the back of the ambulance? Let's prevent needless morbidity and mortality by practicing clinically sound patient care and improve our culture, training and ambulance design.

Instructor: Hilary G Gates

TRA-1236 Care of the Burn Patient Outside of a Verified Burn Center

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, MD, DO, RNs

This course will review burn pathophysiology with a focus on early management for prehospital and emergency medicine practitioners. It will provide an overview of special topics in burn care, including inhalation injury, electrical injury and chemical injury. In addition, we will discuss care of pediatric, adult and geriatric patients and provide an overview of burn resuscitation and approach to patients who are not responding to resuscitation. A review of operative techniques in burn care will also be discussed.

Instructor: Michael J Feldman

Limited to: 50

11:00 AM - 12:00 PM

ADM-114 So You Want to Be Recognized as a Virginia EMS Officer?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

The Virginia EMS Officer I program defines the duties, prerequisites, knowledge, skills, and abilities needed to obtain EMS Officer I designation. Come learn how you can obtain designation as an EMS Officer. This will help you to become one of the first credentialed EMS Officers in the Commonwealth of Virginia.

Instructor: Christopher M Vernovai

ADM-118 Where Can Your EMS Career Take You?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

One of the books authored by Dr. Seuss is "Oh The Places You'll Go!" Join the panel discussion with EMS providers who have used their experiences in EMS as a jumping-off point for interesting and varied career choices. Panelists will discuss the paths their careers have taken, give advice for success and for navigating into other fields and answer questions about training, education and the job experience. You'll hear from providers who became physicians, Emergency Managers, Public Health Preparedness workers, entrepreneurs, journalists and more.

Instructor: Tim Perkins Co-Instructors: Carl Cowan, Raphael Barishansky

ARV-219 The Most Important Vital Sign: 20 Things EMS Can Do With Capnography

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS

Using a simple four-step assessment technique this program shows EMS providers of all levels how capnography can be used to evaluate shock in trauma patients, monitor for the return (or loss of) pulses during CPR, identify bronchospasm in asthma and hypoxic drive in COPD, to guide seizure management and paralytic medication administration, and much, much more. This 20 case-study driven session develops the fundamentals of capnography so that every EMS provider can improve the assessment, treatment and outcome for their patients using the diagnostic tools of end-tidal waveform monitoring.

Instructor: Rommie L Duckworth

CAR-430 Which Way Did They Go? Where Do I Take My Acute Stroke Patient?

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

In the world of stroke systems of care with free standing EDs, acute stroke ready hospitals, primary stroke centers, thrombectomy stroke centers, comprehensive stroke centers, where should EMS providers take their acute stroke patients? It can be so confusing. This presentation will compare stroke systems of care to trauma systems of care. It will describe the difference between the different stroke certification hospitals and use case scenarios to engage the audience to work through the best final destination for a variety of clinical situations that EMS providers encounter.

Instructor: Stacie Stevens

EDU-535 Why Are You so Mean to Me? The Challenge of Working With and Motivating the Millennium Generation

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Are you frustrated by the younger generation and what appears as apathy and lack of personal responsibility in your EMS classroom? The millennium generation is just the latest installment of the generational gap entering into EMS classrooms. The question we must continuously ask ourselves as professional educators is, how do we communicate effectively with each and every student to achieve successful learning outcomes. This presentation will discuss the generational divide and how to work with every student regardless of their "generational identity" to motivate and insure success in our classrooms.

Instructor: Bryan F Ericson

HEA-623 Peer Support in the Hospital. Lessons Learned from Public Safety

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: Administrators,

Educators, MD, DO, RNs

This program will describe the adaptation of mental health support programs from public safety sources and their implementation in the hospital setting. Peer support is an evidence, informed approach to emotional support for colleagues that has been proven effective in public safety settings. The fundamental principles transcend settings and are applicable to the high intensity environment of trauma centers and hospitals. Successes and challenges will be shared.

Instructor: Kelley C Rumsey

Saturday Courses

11:00 AM - 12:00 PM

HEA-624 When Careers Kill: Hidden Dangers in the EMS and Fire Professions

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We all realize that we do a difficult, stressful and dangerous job. But how often do we pay attention to that while providing care to our patients? This class will inform personnel about health and safety information to prevent injuries and deaths on the job and further recognize possible dangers/scene hazards to themselves and others while providing the optimum level of care. You owe it to yourself to have the tools to be safe and protect your own life; after all you have the tools to save others!

Instructor: Rory S Putnam

LMGT-724 Using Social Media to Engage and Inspire!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

Does @YourOrg use social media effectively or #NotSoMuch? Learn how to identify and target your audience, determine which platform(s) meet your needs, how to keep it SOCIAL, generate content, engage your community and analyze your impact. What is the optimal length for a tweet or the picture dimensions on Instagram? Should my five-minute video go on Facebook or Youtube? How do I make that geofilter show up on Snapchat? Learn about some of the tools the "pros" use and get some free resources to get you started.

Instructor: David J English

LMGT-725 Innovation in EMS - Those Dreams Have Now Become Reality...

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Driverless ambulances? Mobile clinics? Medical Control becomes video consultation? Antibiotics in the ambulance? Neuroimaging and intervention? Drone based First Response? EMS and Medical dreamers have always wondered what life would be like as technology and practice advance. What we thought yesterday about tomorrow is now today. EMS has evolved dramatically and our abilities to care for patients and integrate into the healthcare system are becoming so different than "the good old days." This presentation will explore the very real innovations that are changing the art and science of EMS.

Instructor: Ed Racht

LMGT-726 Success as a New Field Training Officer

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators

As a new Field Training Officer, there will be many new hurdles you must overcome during your transition from provider to mentor. Many new FTO's are given this assignment with little direction, and struggle to separate themselves from the provider role. This class will go over clear roles, and objectives you should have as a new FTO, and when to take over calls from your new trainee.

Instructor: Matthew J Snyder

LMGT-727 Five Fixes for Your Agency's EMS Documentation

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

Consistently producing high quality clinical documentation is consistently reported as one of the top challenges for EMS agencies across Virginia - and nationally. In this session, nationally known EMS attorney, Doug Wolfberg will present five strategies your agency can use to step up its game when it comes to producing outstanding and clinically accurate EMS patient care reports.

Instructor: Doug Wolfberg

MED-867 BLS Matters: Making the Most of the First 10 Minutes

BLS 14 / ALS CAT 2 / 1.0 CEU

Target Audience: BLS, Educators

This dynamic and interactive session is a BLS-focused discussion about the goals of the first 10 minutes of any EMS call. Providers will learn how to use the W.I.N. (What's Important Now) acronym to sort through information and prioritize effectively. Tips and tricks will be shared to improve outcomes and perform a successful ALS handoff.

Instructor: Gary A Heigel

MED-868 A Quart Low - Blood Products for EMS Providers

BLS CAT 2 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will look at blood and blood products administered in the field and during critical care transports. Providers, particularly those involved in inter-facility/critical care transports, are increasingly faced with patient who have blood and blood products running during transport. What are the blood products typically used, how are they selected, and how are they administered? Recognition and management of transfusion reactions will also be reviewed.

Instructor: George Lindbeck

MED-869 Complications of Emergency Childbirth

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will cover the assessment and treatment of a patient experiencing an eminent delivery with the following complications: breech presentation, shoulder dystocia, limb presentation, prolapsed cord, multiple births and the need for an emergency C-Section. ALS and BLS providers will come away with a better understanding of complications in these tricky situations.

Instructor: John Todaro

OPE-937 Challenging Your Clinical Boundaries

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

The delivery of out-of-hospital emergency medical care is constantly evolving; with EMS personnel continually being called on to deliver more advanced care. But what are our weak spots and where is the delivery of prehospital care headed in the future? Join A.J. Heightman as he looks in his clinical crystal ball and presents his vision of our future.

Instructor: Arthur J Heightman

OPE-938 Are You Even Listening? How to Communicate with Patients During Their Toughest Times

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

You've heard this before. Communication is key to a therapeutic relationship. However, how much of your EMS training has been devoted to learning how to communicate effectively? This class starts by providing an opportunity for you to self-assess your communication ability (no public speaking-- promise!) and then offers techniques on how to improve patient communication using a case study approach.

Instructor: Travis J Mitchell

OPE-939 Social Media and EMS: The Impact

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Social media has made an impact on so many lives. This session will cover our perspective on the impact of social media in EMS and what that means to all of us. Come hear Dan Flynn & Titus Tero, both from the hit TV show from the A&E network, NIGHTWATCH-New Orleans. Enjoy this session and learn a little something along the way!

Instructor: Dan Flynn Co-Instructor: Titus Tero

Saturday Courses

11:00 AM - 12:00 PM

PED-1028 Pediatric Video Case Studies

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Using the rapid cardiopulmonary assessment approach, we will systematically evaluate and discuss several video pediatric case studies. Join us for an interactive session using the ABC or CAB hands-on assessment approach to determine whether the main reason for the child's presentation is from respiratory, shock and cardiac etiology. Attending the pediatric assessment lecture by the same presenter would be helpful, not mandatory.

Instructor: Dusty Lynn

PED-1029 Pediatric Capnography

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation highlights uses for capnography in pediatric patients in the prehospital setting. Uses include confirmation of intubation, maintenance of ventilation in intubated and non-intubated children, monitoring of effectiveness of cardiopulmonary resuscitation, and as an adjunct for monitoring of sedated children and children with lower respiratory disease, shock and metabolic derangement.

Instructor: Christopher Ebright

PED-1030 Updates in Pediatric Prehospital Research

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

This session will review practice changing new research in the prehospital care of sick and injured children. Areas covered will include new and ongoing research regarding pain control, spinal injuries, sepsis, asthma and pediatric readiness. Participants will also learn about how the Pediatric Emergency Care Applied Research Network (PECARN) provides a national infrastructure for conducting multi-center prehospital pediatric research.

Instructor: Caleb E Ward

TRA-1237 Head Injuries-That Ain't Rocks Rattling In Your Head

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Head injuries account for a large number of EMS responses and account for a significant amount of morbidity in our patient populations. The series will discuss the pathophysiology and management of head and brain injured patients. We will also review cases of uncommon head injuries from EMS responders in the field.

Instructor: Billy G Mcdaniel

TRA-1238 Inhalation Injury and Burn Airway Management

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS

Inhalation injury is often associated with early intubation for upper airway edema, but it is actually subdivided into three categories: above the cords, below the cords and systemic poisoning. These separate injuries bring some unique challenges and pitfalls for prehospital and interfacility transport. Lecture will cover each injury type and associated care. Review of burn airway intubation video will be included in case study format.

Instructor: Christopher Stevenson

TRA-1239 Trauma Case Studies

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Learning is most fun when participants are challenged to apply theoretical concepts to actual practice situations. This presentation uses actual case scenarios to stimulate discussion underscoring the importance of thorough patient assessments, accurate interpretation of data, the ability to preliminarily rule in or rule out a constellation of injuries, and exercising critical judgment skills to rapidly perform prehospital resuscitative interventions in patients sustaining head and thoracic trauma.

Instructor: Connie J Mattera

1:30 PM - 5:30 PM

ARV-220 Bubble Bubble, Toil and Trouble: Managing the Traumatic Airway

BLS 11 / ALS 16 / 4.0 CEU

Target Audience: ALS

We've all had difficult traumatic airways. Were you able to manage it? Have you had enough practice in blood, suctioning, trauma to structures, debris and other issues that cloud your view of the cords and endanger the airway? Would you know what to look for and how to deal with failures? This will refresh your memory with the use of gum elastic bougies, lighted/adjustable stylettes, advanced and video laryngoscopes, suction, alternative devices, and LEMON, Mallampati and Lehane-Cormack scales. Class offers practical application of materials on a traumatic airway head.

Instructor: Rory S Putnam

Limited to: 30

CAR-431 VADS in the Community/ Home is Where the Heart is

BLS 12 / ALS 17 / 4.0 CEU

Target Audience: All

MCS/VADs in the community. This didactic course will include principles of operation of the HeartMate II and III, HeartWare and

TAH. We will also review equipment of alarms, emergency preparedness in the community and who and when to call. There will also be a review of the newest guidelines for EMS providers by the American Heart Association and hands-on stations to include rotations for each of the VADs, manned by expert clinicians for each type of VAD.

Instructor: Brenda H Smith

1:30 PM - 4:30 PM

MED-870 Stethoscopy for Dummies

BLS 11 / ALS 16 / 3.0 CEU

Target Audience: All

Do you know how to use your stethoscope? How much training did you get? This will fill the gap. In this session, participants are provided down-to-earth "for dummies" information on various types of stethoscopes and how to use them to get the most out of patient assessment. In this "ear-opening" session, new and improved methods and techniques are presented. You will need to bring your own stethoscope to this class to hear actual sounds, so you can experience them.

Instructor: Robert Page

Limited to: 52

Student Equipment: Students will need to bring their own stethoscope to this workshop. Please make this clear in registration information.

1:30 PM - 2:30 PM

ADM-119 Above and Beyond - The Virginia Standards of Excellence Program

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

All EMS agencies in Virginia are required to conform to the Virginia EMS Regulations in order to operate and provide service to its community. The Virginia Standards of Excellence (SoE) program was developed by a stakeholder workgroup of the Workforce Development Committee to identify and recognize EMS agencies that strive to operate above the standards and requirements of the Virginia EMS Regulations. This presentation provides information about the program, as well as the process an agency must go through to become an Agency of Excellence.

Instructor: Tim Perkins

Saturday Courses

1:30 PM - 2:30 PM

ARV-221 Unable to Ventilate: When a Basic Airway Fails

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: All

We assume when all else fails in airway management, we simply “go back to basics” and ventilate using skills taught in any EMT class. What happens when basic airway maneuvers fail and are all you have? This class describes an approach to failed airway. We'll describe key troubleshooting steps, and how to manage a worst-case scenario without the aid of advanced techniques. We'll describe how this can be used by advanced providers as part of a larger failed airway algorithm, but focus primarily on the EMT.

Instructor: Dan Batsie

CAR-432 The Long and Short of It

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

More often these days are cases of children and young adults going into sudden cardiac arrest. Commonly, many are non-diagnosed with long QT syndrome - a congenital disorder characterized by prolongation of the QT interval on electrocardiograms. This disturbance has a propensity to produce ventricular tachyarrhythmias, which may lead to syncope or cardiac arrest in a pediatric or young adult patient. This presentation will explain the pathophysiology, medications and genetics of long QT and how it might be the cause of your next code.

Instructor: Christopher Ebright

EDU-536 Googling Your Way to a Successful Accreditation Site Visit - Workshop Part 1

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

This presentation is a two-part workshop for educators and administrators, and is a follow-up to the presentation, “Googling Your Way to a Successful Accreditation Site Visit.” Participants should bring a laptop. We will work through some of the options presented in the initial session using Google Tools, such as the Google Drive, Forms, Sheets, Docs, and various add-ons that enable improved documentation and workflow processing necessary for managing your accreditation files, surveys, and reports.

Instructor: Daniel W Linkins Co-Instructors: Jonathan A Alford

Limited to: 30

EDU-537 Putting Hands-On

Teamwork Back in Your Classroom: 25 Activities You Can Use Today

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Educators who want their EMS providers to attain the “soft skills” critical for their profession can also increase enthusiasm and engagement using the right hands-on exercises. While there are plenty of “Get out of your seat” activities out there, many of them entertain and fill time, but few focus on teaching and evaluating team-based competencies. Featuring 25 different exercises that you can bring back to your EMS classroom, today this program will help you help your students work together better both in the classroom and on the street.

Instructor: Rommie L Duckworth

EDU-538 Not Just Being a Preceptor, but a MENTOR

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, MD, DO, RNs

Being a preceptor has its own struggles, but being a mentor is even more challenging. Knowing how to have hard and fast rules along with supporting a new members needs is important. When you were new, did you ever wish your preceptor took the extra steps to be a mentor for your future career? Let us progress together into becoming mentors, and making the learning environment even more productive.

Instructor: Matthew J Snyder

HEA-625 Disposable Heroes

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Mental health is at the forefront of the first responder world. From the battlefields of Iraq to the streets of Hampton Roads, I am sharing my personal experiences in dealing with PTSD, depression, anxiety and suicide ideology. What we think we know and what we actually know are worlds apart and we have to become more aggressive in our approach. We are extending our view too far down the road and are missing people as they develop mental health issues. I'm ready to share...are you?

Instructor: Jeremy Johns

HEA-626 Therapy Dogs--A Simple Way to Mitigate Occupational Traumatic Stress?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, RNs

First responders face repeated exposure to traumatic events as a routine part of their job, and agencies and providers

are working to find solutions. Research suggests that something as simple as a therapy dog may be a viable, cost-effective solution. Review and discuss the history and effectiveness of therapy dogs in other settings and explore how this may be a perfect solution for first responders. Enjoy a visit with Blue the Therapy Dog.

Instructor: Lisa Davis

Limited to: 50

LMGT-728 Flight Medicine: Living the Dream

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Many nurses and EMS providers enter their chosen field with the dream of providing patient care in the air medical environment. Helicopter EMS (HEMS) is a unique profession, which seeks “cream of the crop” providers to create their flight crews. This presentation will provide insight for you to learn how to position yourself to become a flight nurse or paramedic, how to evaluate programs you may wish to apply to - they all may not be what you envisioned - and how first impressions really do make a difference.

Instructor: Elizabeth Smith

LMGT-729 Understanding Why We React the Way We Do: Harnessing Emotional Intelligence for Leadership Success

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

Emotional intelligence, that is, the ability to understand and manage not only your own emotions, but also the emotions of those around you, is integral to individual and professional success. Psychologists hypothesize that to achieve success, intelligence quotient (IQ) accounts for 10 percent; the rest is emotional intelligence. Every day, EMS leaders are confronted by situations where an understanding of the emotion behind the scenes can spell the difference between success and failure. This presentation will offer practical advice using real-world scenarios to develop your emotional intelligence.

Instructor: Raphael M. Barishansky

LMGT-730 College Degrees: What, Where and How

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will discuss what a college degree can do to enhance and advance an Emergency Medical Service provider's career. Areas that will be discussed include, what college degree majors are available and the value they can add to an Emergency Medical Service providers career, as well as how to go about selecting and starting the path to a college degree.

Instructor: John Todaro

Saturday Courses

1:30 PM - 2:30 PM

LMGT-731 The ABCs of LGBT in EMS BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Participants will learn about the integration of openly LGBT people into the EMS workforce. What does LGBT mean? Is there really a difference between gender and gender identity? Do my responsibilities change as an employer of LGBT persons? These questions and more will be answered as we delve into topics surrounding two main points: working with LGBT coworkers and employees and caring for LGBT patients. Come to class with an open mind and a desire to learn!

Instructor: Bryan A Miller

Co-Instructor(s): TBD

MED-871 Residential Clandestine Drug Labs and The Risk Posed to First Responders

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher

The clandestine synthesis of methamphetamine and other illegal drugs is a rapidly growing public health and environmental concern. This lecture will cover the risks posed to first responders and how to care for patients exposed to and overdosing on these substances. The presentation will conclude with case studies to put your knowledge to the test.

Instructor: Ashley S Harman

OPE-940 Pediatric Disaster Preparedness: A Primer for Developing Your Community Plan

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Several recent national policy statements and guidelines have outlined the unique challenges of caring for children in disasters. These reports have also outlined the poor state of readiness across the continuum of organizations involved in disaster response. This session will review the unique vulnerabilities of children in disasters. Participants will be introduced to the Emergency Medical Services for Children (EMSC) Disaster Preparedness Toolbox and consider how they might utilize components of this in their unique work environments.

Instructor: Caleb E Ward

OPE-941 Blood on My Hands: Adverse Events in EMS

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Let's face it, we're not perfect. Years of training, a partner always watching our back and yet, mistakes happen.

Using case studies, this presentation seeks to start a conversation around the prevalence of adverse events in contemporary healthcare. More importantly, the presentation argues that EMS providers are an integral part of the solution in promoting a just culture and driving reduction in patient harm across the continuum.

Instructor: Travis J Mitchell

OPE-942 Roadway Incident Safety - "D" Drivers and Other Hazards

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Distracted, drowsy, drunk, drugged and disgruntled drivers are striking emergency responders and their vehicles at roadway incidents with increasing frequency. We can't change their "D" behavior, but we can control how we protect our personnel at roadway incidents. EMTs are exposed to moving traffic on almost every emergency response and roads are the most common immediately dangerous area of operation for EMTs. It is critical that personnel safeguard themselves and the victims they are responding to assist. This session will lay out strategies for safer roadway incident scene management.

Instructor: Jack Sullivan

OPE-943 The Plume: When the Tabletop Becomes Real

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

This interactive case review discusses the events of a chemical spill that produced a plume of toxic fog that blanketed the town. The plume created an MCI that resulted in over 20 patients for EMS and over 150 walk-in patients. The incident involved ambulances and hospitals from two different states. The presentation covers EMS response, hazards that had to be considered and the lessons learned. Tabletops have covered the plume in past trainings but when it became reality there were many things that had to be learned on the fly.

Instructor: Conrad Olson

OPE-944 ER vs. EMS-Winning the War

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, MD, DO, RNs

Come join Dan Flynn and Titus Tero from the A&E series Nightwatch as they provide a light-hearted look at the ER versus EMS -Winning the War.

Instructor: Dan Flynn Co-Instructor: Titus Tero

TRA-1240 Thermal Burns: From Scar Wars to Star Wars!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Once you have seen, smelled, and touched

a patient with a critical full thickness burn, you will never forget the experience. But could you rapidly and accurately assess the difference between partial and thickness injury, calculate the percentage of body surface area burned using the Rule of Palms, determine the best way to manage the airway and give the right amount of IV fluid based on new ABA guidelines? Why should the burn wounds be covered in plastic wrap? What is the skin gun that may revolutionize burn management?

Instructor: Connie J Mattera

TRA-1241 Burn Resuscitation-Fluid Resuscitation Beyond Parkland

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS

Over recent years, burn resuscitation has changed fairly dramatically. It is no longer fluid, fluid, fluid. Most of what was taught in the past is now known to have a significant complication rate. This course will be a discussion of Burn Pathophysiology, the history of fluid resuscitation, why guidelines have changed and the current prehospital guidelines. Resuscitation data will be up-to-date for current American Burn Association, Advanced Burn Life Support recommendations.

Instructor: Christopher Stevenson

TRA-1242 Boomer Trauma

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

As the Boomers slide into maturity and become geriatric patients they depend on trauma systems to understand their physiologic needs in management of geriatric trauma. This lecture identifies differences in anatomy and physiology of older patients and young healthy adults. The student will learn how to apply these differences in management of the geriatric trauma patient.

Instructor: Carol M Gilbert

3:00 PM - 5:00 PM

LMGT-732 We Know We Need Members, but Where do We Start? And Then What? Recruitment & Retention Planning

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Educators, Youth

Establishing and maintaining an effective recruitment campaign is essential for any agency, but equally important is our retention campaigns to maintain our ranks. In this course, we will explore the processes of identifying, creating and carrying out a successful recruitment and retention program. We will identify some best/worst practices for recruitment and

retention. Learn about some programs and approaches to welcome new members and keep those we have as well. What practices have worked or failed for your agency? How can we make it better for your agency and community?
Instructor: Christopher M Vernovai

Saturday Courses

3:00 PM - 5:00 PM

PED-1031 Pediatric Medical Case Studies

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: All

An EMS response to the child experiencing a medical emergency can be a challenging incident. This series will discuss the presentation, assessment, and management of the pediatric patient with common and uncommon medical emergencies. The discussion will use various case studies of real incidents involving each of the disease processes discussed.

Instructor: Billy G Mcdaniel

PED-1032 Pediatric Rapid Cardiopulmonary Assessment - The PATs, ABCs and CAB of it All!

BLS 12 / ALS 17 / 2.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will assist prehospital and emergency department healthcare providers in developing a rapid systematic approach to pediatric assessment. It will also empower the EMS provider to make a rapid determination of which assessment practice is most appropriate for the situation. We will explore the Pediatric Assessment Triangle (PATs), ABCs, and CABs as tools in pediatric assessment.

Instructor: Dusty Lynn

TRA-1243 EMS Clue

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

Come play EMS Clue! Go room to room searching for your "clues" to determine - did Colonel Mustard fall on a knife...or was he stabbed? Mrs. Peacock is extremely short of breath. Why? Chest injury or asthma? You and your team must look for clues in each room to determine the cause of the medical or trauma event. Look under, over and in items in each room. Find the clues - signs related to your patient. What's the final outcome? You be the detective.

Instructor: Bonnie Caplinger Co-Instructor: Clarence Fox

Limited to: 70

3:00 PM - 4:00 PM

ARV-222 Anticipating Airway Mayhem

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This lecture provides tools for the evaluation of the airway and the anticipation of difficult airways including those for patients with acute medical and traumatic conditions. The student will learn to rapidly develop an airway plan and to change it based on the patient's condition.

Instructor: Carol M Gilbert

EDU-539 Googling Your Way to a Successful Accreditation Site Visit - Workshop Part 2

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

This presentation is part two of a two-part workshop for educators and administrators, and is a follow-up to the presentation, "Googling Your Way to a Successful Accreditation Site Visit." Participants should bring a laptop. We will work through some of the options presented in the initial session using Google Tools, such as the Google Drive, Forms, Sheets, Docs, and various add-ons that enable improved documentation and workflow processing necessary for managing your accreditation files, surveys, and reports.

Instructor: Daniel W Linkins Co-Instructor:

Jonathan Alford

Limited to: 30

EDU-540 How to Plan and Deliver High Value Simulation Education

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, Educators

Preparing EMS providers for practice is complicated. Shrinking access to clinical sites, opportunities to practice high-stakes interventions and teamwork skills are just a few challenges where simulation is positively impactful. This presentation will discuss the best practices for planning, facilitating and evaluating high-value simulation in EMS education. Emphasis will be placed on identifying critical gaps in fulfilling curriculum goals, aligning simulation objectives to national standards and developing learners.

Instructor: John Todaro

HEA-627 How to Integrate Provider Safety Into all Aspects of Your Operation

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

EMS agencies and rescue squads should strive to incorporate provider safety into all aspects of their operations

including routine operations, training and emergency response. This class will cover operational safety activities including personnel accountability systems, equipment and building safety inspections, training safety, rehabilitation safety, Personal Protective Equipment Hazard Assessments and more. The goal is to provide a road map on how to integrate provider safety for EMS personnel in day-to-day operations.

Instructor: Jack Sullivan

LMGT-733 When You Fail to Plan, You Plan to Fail: Understanding Strategic Planning for EMS Agencies

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

Many EMS agencies, be they career or volunteer, municipal or commercial, are mired in the "here and now" with little attention paid to the future. Rational, well planned and thought out strategic plans, with input from all levels of the organization, can help make the future less frightening and put EMS agencies on the right road for success. Developing all the vital components of a strategic plan - a SWOT analysis and identification of goals and objectives as well as implementation tips will be reviewed.

Instructor: Raphael M. Barishansky

LMGT-734 The "Double Documentation" Problem: Which ePCR Elements Must be Repeated in Your Narrative?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

This session will tackle the age-old question: which data elements of my ePCR must be repeated in my narrative? This session - led by nationally known EMS attorney Doug Wolfberg - will take an in-depth look at this issue and offer specific strategies you can use to ensure your patient care report is complete and consistent.

Instructor: Doug Wolfberg

LMGT-735 If I Knew Then What I Know Now - A Fascinating Look at the Changes in EMS Medicine Over the Past 30 Years

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Although he doesn't look a day over 25, Racht started his EMS career in Henrico Volunteer Rescue Squad "a few years ago" and has had the great fortune to be a part of the evolution of the art and science of EMS Medicine, EMS Systems and EMS Culture for more than 30 years. Reminding ourselves that we should always be a student of history, he will describe the powerful (and sometimes challenging) advances in our profession and the implications for the EMS we love so much.

Instructor: Ed Racht

Saturday Courses

3:00 PM - 4:00 PM

MED-872 Nightwatch-Reality TV Participation Experience

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This presentation covers what the journey has been like to be a field paramedic suddenly thrust into the TV spotlight as a paramedic from New Orleans EMS on the TV Reality show called Nightwatch on A&E's network. Join me and Titus Tero, also from the tv show to discuss how it has impacted our lives and the journey we have made.

Instructor: Dan Flynn Co-Instructor: Titus Tero

MED-873 What a RUSH: Ultrasound-Guided Resuscitation and Critical Care in the Field

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

Point of Care Ultrasound, or POCUS, has created a seismic shift in the way critically ill patients are resuscitated in hospital emergency departments around the world; now, this powerful technology is becoming increasingly available to EMS providers in the field. Here we use case reviews and other real-world examples to demonstrate how paramedics can integrate POCUS into their daily practice, and guide the care they provide to their most critical patients.

Instructor: Thomas D Hudson

MED-874 Too Young to Die: Novel Strategies in Response to the Ongoing Opioid Public Health Crisis

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Unfortunately, the opioid epidemic is nothing new. Neither is prehospital and law-enforcement use of naloxone. However, the deaths continue, particularly among the young. At its core, this presentation attempts to humanize the epidemic as we take a public health perspective and examine novel EMS solutions to address the growing challenge.

Instructor: Travis J Mitchell

MED-875 Crashing Asthmatics

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

New therapies are emerging to combat the relentless airway inflammation, airflow reduction, and hypoxia experienced by crashing asthmatics so death rates are beginning to diminish. Key points of this presentation include sorting through reliable and unreliable physical exam indicators of disease severity, the

usefulness of peak flow monitoring and capnography values, determining the need for CPAP or drug-assisted intubation, the step-wise approach to conventional pharmacologic therapy based on the drug profiles and providing an overview of less conventional therapies such as Heliox, monoclonal antibodies and bronchial thermoplasty.

Instructor: Connie J Mattera

OPE-945 How Not To Be Wrong When Everything Is On The Line: Critical Thinking and Decision Making in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Safety, assessment, patient care...the success of an EMS practitioner is judged on the quality of their critical decisions. Every day EMTs critically think their way through complicated operational and care related situations under the worst possible circumstances, often with life threatening consequences. Making good decisions is more than just relying upon luck. Strategies exist to improve mental performance under stress. This scenario-based class will discuss limitations of cognition when faced with situational challenges. It will describe specific practices to improve decision-making and enhance mental performance under stress.

Instructor: Dan Batsie

OPE-946 What's the Rush (When it Comes to ALS)?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

EMS is often associated with speed, especially for "true" ALS calls. We rush to the scene, rush on the scene, and then rush to the hospital. This course will use a case-based approach to explore the hidden pitfalls of speed when it comes to ALS delivery and transport, including clinical, operational, and professional impacts.

Instructor: Hilary G Gates

OPE-947 Burning Man!! EMS Like You Never Seen It

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

Many of us work in rural areas but Chief Robin Davis and Lieutenant Scott Robinson take us to the high deserts of Nevada to the iconic event, Burning Man. The distance, the crowds, the whole thing is beyond anything you could ever imagine. Hear what it's like to deliver exceptional care and lead a workforce of 300 EMS providers in the largest temporary city that never closes and becomes home to nearly 80,000 people... miles into the desert.

Instructor: Robin J Davis

PED-1033 Neonatal Resuscitation Tips and Tricks for Field Providers

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

This class is geared toward EMS providers of all levels. We will review basic neonatal resuscitation principles but go into more depth about some of the challenges encountered when caring for these fragile patients in the back of an ambulance. This class is designed to make EMS providers feel more prepared to handle these emergencies with the limited equipment and resources available in the field. We will discuss the challenges of caring for neonates of various gestational ages and how your agency can better prepare for these patients.

Instructor: Chelsea W Sibold

TRA-1244 Hanging and Strangulation-Trauma That's Tight Around the Collar

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, MD, DO, RNs

Hanging and strangulation trauma is a misunderstood traumatic event that presents numerous challenges in treatment and management. Death by hanging does not have to be the classical noose and hook, it can occur without the feet being off the ground. The methods of hanging and strangulation will be examined and the pathophysiology by which injury and death occurs. This activity occurs in all levels of society and across all age groups, and even among the most famous people. Participants will be surprised by the information this presentation will deliver.

Instructor: Travis L Karicofe

TRA-1245 Curtain Call for C-Collars

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

First it was spine boards and now the time has come to say so long to cervical collars? Remember the first rule of medicine? Do no harm! Yet, we continue to utilize barbaric treatments that have been proven to show no benefit or worse yet, hurt our patient. If you're doing selective spinal immobilization, your crews may have already said goodbye to collars you just don't realize it. Do you have the protocols in place to support that reality?

Instructor: Conrad Olson

TRA-1246 It's Not Just a Little Fluid...

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

"Just give them some fluid"--the thought of every medic at some point. But what are we actually doing when we administer intravenous fluid? How is it used by the body? What's in the fluid anyway? Learners in this presentation will

review the A&P involving blood volume maintenance and fluid absorption, discuss the composition of fluids (both endogenous and artificial), and discuss best practices in fluid administration.

Instructor: Bryan A Miller

Saturday Courses

4:30 PM - 5:30 PM

CAR-433 The Sick AMI Patient

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Cardiogenic shock secondary to myocardial malfunction has serious consequences for any patient experiencing an AMI. This presentation explains the causes, pathophysiology and mechanics behind the development of cardiogenic shock. Additionally, prehospital cardiogenic shock assessment PEARLS and the most up-to-date adopted recommendations for BLS and ALS cardiogenic shock management will be discussed throughout the presentation.

Instructor: Christopher Ebright

EDU-541 Mentoring the Mentor: The Virginia Instructor Mentor Program

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Being assigned as a Mentor to a new Educational Coordinator candidate can seem like a tall order. During this class, we'll discuss best practices to set your mentoree up for success from Day 1. Topics will include course set-up, pre-determining mentoree assignments, and how to involve your EC Mentoree in various aspects of the Course! At the end, we'll share some stories and experiences from the audience!

Instructor: Kevin T Holloway

EDU-542 Coloring Outside the Lines

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

We will demonstrate new methods for educators to teach students how to learn in unique and interactive ways to actively engage students in the classroom setting. We will present creative ideas for your students to acquire knowledge and skills in the area of Pediatric assessment. This will increase knowledge retention and student motivation in a fun student centered environment.

Instructor: Susan J Truba Co-Instructors: Andrew Jenkins, Cody Simpson, Michelle Beatty

Limited to: 30

HEA-628 Fit and Fabulous for Duty

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

As healthcare professionals, we prioritize other's health and well-being but often forget about our own. Let us change that immediately because how you feel and look matters. There are many little things that you can easily do on a daily basis to improve your overall health. When you are feeling fit and fabulous, both you and your patients will benefit. From food to fitness to sleep, we will dissect these important aspects of life and suggest some pointers to help you feel and move better.

Instructor: Sarah L. Ellis

MED-876 The Alpha, and The Beta: What to Know About Vasoactives

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS

Vasoactive agents are a powerful class of medications that can do a tremendous amount of good, but their use comes with great responsibility. Join us on the path to being an adrenergic rock star as we revisit the pharmacology, clinical applications, and safe administration of vasopressors, catecholamines, and PDEIs when treating critically ill patients.

Instructor: Thomas D Hudson

MED-877 Cortisol, Stress Control, Weight Management, and the Risk of Ignoring Them

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

In the health field, we are set up for an increase in health risks stemming from increased cortisol levels caused by stress and lack of movement. This leads to weight gain, depression, lack of mental focus, and a decrease in physical endurance. In this presentation, we will talk about how to decrease cortisol levels and avoid weight gain by fitting more movement into the day, eating more balanced on shifts, and working in some daily tricks to keep up good habits to decrease physical and mental exhaustion caused by stress.

Instructor: Elizabeth A Haydu

Limited to: 50

OPE-948 In The Line of Fire: A Story of Humanity in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Regardless of how long you've been in EMS, you've seen more tragedy than most members of the public will see in a lifetime. Simply put, continually rushing toward the suffering takes a toll. This presentation uses a case study approach from across the continuum of care to talk about the human impact of healthcare. The presentation

offers strategies for coping with stress, along with responding to particularly challenging adverse events.

Instructor: Travis J Mitchell

OPE-949 ALS Unavailable!! How Do I Handle the Sick Patient

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: BLS, Educators

Have you ever been in a situation where ALS was truly needed, but they were nowhere to be found? Feeling helpless is a bad feeling, but feeling unable to help your patient is even worse. Critical thinking is key when you are a lone BLS ambulance with no other assistance, and managing critical patients is tough. Walk away with more tools in your toolbox the next time dispatch advises, "No ALS Available".

Instructor: Matthew J Snyder

OPE-950 A Comedy of Errors: When Two Paramedics Become RN's

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, RN

We will explore the relationship between EMS and the emergency department. The information discussed in this presentation will cover topics such as the radio report; what does the ED nurse really want and need to know? We will also discuss the in-person report with pointers on how to gain and keep staff attention. We will discuss the need for regular communication with ED staff concerning field treatment protocols. The instructors of this presentation hope to send students out with the intention of strengthening the EMS-ED staff relationship in their area.

Instructor: Chelsea W Sibold Co-Instructor: Amanda Mccomas

OPE-951 Emergency Vehicle Maintenance and Vehicle Check-off's - The Importance of Starting Your Shift

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS

Dan and Titus from A&E's Nightwatch are both vehicle enthusiasts and know the finer points of vehicle maintenance and the importance of vehicle check-off's every shift. Come listen to their perspective on the importance on making sure you complete the check off of your unit before every shift.

Instructor: Dan Flynn Co-Instructor: Titus Tero

OPE-952 Saying Goodbye to Lights and Siren

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, MD, DO, RNs

What happened when we "took away" the lights and siren? We examine a service going from 80/20 usage to a 20/80 split. This produced a lot of questions and

some resistance. What are appropriate uses? What about response times? Why are light and siren times longer? Why is this really necessary? How many patients are actually transported with lights/siren? What if our dispatch center doesn't do EMD? What happened to outcomes? The safety of our crews, patients and the public depend upon us taking responsibility for best practices.

Instructor: Conrad Olson

Saturday Courses 4:30 PM - 5:30 PM

PED-1034 Disaster Preparedness: Pediatric Considerations in Biological Terrorism

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Prehospital providers play a vital role in recognizing and providing initial isolation and decontamination for patients affected by agents of chemical and biological terrorism. In this session, we will describe the anatomical, physiological and behavioral differences that can place children at increased risk in these attacks. Typical presentations of common biological and chemical agents will be discussed. We will discuss the unique challenges of pediatric decontamination.

Instructor: Caleb E Ward

TRA-1247 Focus on the Noodle. An in-depth Look at the Evolving Art & Science of Concussion

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Our friends in professional sports have dramatically changed how we evaluate and respond to any traumatic event to the head. What used to be just a "rung bell" is now a potentially life-changing event. We understand so much more about head injury and the role of EMS in identification and initial management of this often silent devastating injury. EMS plays a pivotal role in this patient population and has an increasingly greater array of approaches and tools to manage these patients in the field.

Instructor: Ed Racht

TRA-1248 Spinal Motion Restriction - What It Means, What Has Changed, and Why It's Changing

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

In August 2018, the American College of Surgeons (ACS), American College of Emergency Physicians (ACEP), and National Association of EMS Physicians (NAEMSP) provided updated uniform

guidance on EMS use of "spinal motion restriction." This course will review the changes in nomenclature (it's not "spinal immobilization" anymore) and clinical guidance (backboards are not required!). More importantly, we will discuss the evidence-based reasons for these changes.

Instructor: Hilary G Gates

TRA-1249 Snake, Rattle and Roll

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Program focuses on the challenges of managing patients with venomous snake bite injuries. The epidemiology of this problem will be discussed and its relationship to how these become very sick patients in rural settings where transport can be extensive. Discussion will ensue regarding the most current trend in managing these patients.

Instructor: Travis L Karicofe

Sunday Courses 9:00 AM - 11:00 AM

ARV-223 ECMO and ARDS: A Pediatric Case Study

BLS 11 / ALS 16 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, RN
Witnessing medical miracles in a pediatric case study involving the intervention of extracorporeal membrane oxygenation for the treatment of Acute Respiratory Distress Syndrome. Providers will learn criteria for ECMO intervention and the inter-facility transportation requirements for these patients. Graphic images are incorporated in this case study. Personal discretion is advised.

Instructor: Nicole Crowder

Limited to: 200

CAR-434 CHD Awareness - It's Not for the Faint of Heart

BLS 12 / ALS 17 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RN

Approximately 40,000 babies are born each year in the United States with a congenital heart defect. About one of every 100 people have a CHD of some kind. This is the story of Finn, one of those children, and his journey to normalcy. Today, most heart defects can be corrected or helped with surgery, medicine, or devices, such as artificial valves and pacemakers. In the last 25 years, advances in treatment have enabled half a million U.S. children with significant heart defects to survive into adulthood. Just keep swimming Finn!

Instructor: Kelly F Blumenthal

Sunday Courses 9:00 AM - 11:00 AM

HEA-629 PTSD is Old School. Let's Look the Demon in the Eye

BLS 15 / ALS 20 / 2.0 CEU

Target Audience: All

As EMS Providers, we have the obligation (and privilege) to care for our fellow human beings at the worst time of their lives. We have the tools, training and ability to minimize morbidity and mortality and a passion for what we do that allows us to face the unimaginable. But that strength in the storm comes at a substantial cost. We haven't paid attention to the personal impact of "horrible" on us - The caregivers as well as the loved ones that stand by us when times get dark.

Instructor: Ed Racht

MED-878 Anatomy and Physiology Interactive

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: All

Bob's interactive sessions have been a Sunday morning staple at symposium for years! In the newest installment, A&P, Bob seeks to find out, how well you know the human body's structure and functions? This game show is interactive and uses pictures, video, sounds and any other senses he can to help you identify your way around a body. It is loads of fun and very informative! You will never look at the body the same after this session. You won't want to miss this, the fifth in the series!

Instructor: Robert Page

MED-879 The Bugs Among Us

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: ALS, All, BLS

This session will review the basic concepts of the immune system and immune system response, the disease profiles of the most common infectious diseases and their pathogenesis effects. Many of these are encountered by prehospital providers each day. Join us for a conversation about the bugs among us and strategies to protect yourself.

Instructor: Billy G McDaniel

Sunday Courses

9:00 AM - 11:00 AM

OPE-953 It's Never Ok! Violence in the Fire Service.

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators

The surge in violence against public safety now involves firefighters, EMTs and paramedics. From vehicle theft, sexual assault, to murder, traditional scene safety classes and staging policies are not doing enough to prepare our crew members for this level of violence. Hands-on, self-defense training, while helpful, teaches perishable skills. This lecture allows participants to review their own personal barriers to safety and learn strategies to break them down. Listen to others as they share their stories of survival and open your eyes to the hidden dangers in public safety.

Instructor: Robin J Davis

PED-1035 Pediatric Rhythm Disturbances - Too Fast? Too Slow? Or... Not There?!

BLS 12 / ALS 17 / 2.0 CEU

Target Audience: ALS, BLS, RNs

Emergent rhythm recognition for the pediatric patient is not as difficult once you correlate it to perfusion assessment. We will visualize and discuss each of the three main categories of pediatric cardiac rhythms and their emergent treatment,

based on the AHA guidelines. Whether on a pediatric prehospital call or in the emergency department, this discussion is intended to help you stay focused and purposeful when dealing with pediatric cardiac rhythms.

Instructor: Dusty Lynn

TRA-1250 Hypovolemic Shock: The Perils of Running on Empty

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

The term shock conjures images of catastrophe, yet all etiologies share a common pathophysiological basis. Understanding the factors necessary to maintain perfusion and the body's responses to cellular hypoxia will provide insights into the variety of clinical presentations experienced by patients in hypovolemic as opposed to cardiogenic, neurogenic or anaphylactic shock. This offering differentiates the etiologies of shock based on cellular and organ system dysfunction with an emphasis on contemporary guideline-based care of those in hypovolemic and hemorrhagic shock.

Instructor: Connie J Mattera

TRA-1251 The Trials and Tribulations of Trauma

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs

In this presentation a series of intriguing trauma problems provides the student with an opportunity to make the diagnosis

and suggest appropriate management. Some patients will have underlying medical conditions that may or may not affect the patient situation. Students will learn to consider to effect of the pre-existing conditions on the trauma patient.

Instructor: Carol M Gilbert

TRA-1252 Virginia Beach Municipal Center Shooting Incident

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: ALS, Administrators, BLS

On May 31st, the unthinkable occurred in Virginia Beach. An employee entered a City building opening fire on colleagues, killing 12 and severely wounding 4. The attack triggered a massive law enforcement, EMS and fire response. Rescue task forces deployed as police officers addressed the active shooter threat. While the immediate crisis was resolved relatively quickly, a significant recovery period followed. EMS personnel supported numerous activities including memorials, member welfare and continuity of operations. This presentation will review the response and recovery efforts from an EMS/Fire agency leadership perspective.

Instructor: Edward Brazle

Faculty

William R Akers, MS, NRP
Southwest VA Community College
EMS Program Director

Jonathan Adam Alford, BS, NRP
Piedmont Virginia Community College
Program Director
Maidens, VA

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BATTALION CHIEF
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TEACHER / EMT INSTRUCTOR
PALMYRA, VA

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40th Annual Virginia EMS Symposium

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Symposium Seminars & Meetings

EMS Emergency Management Committee

Wednesday, November 6
9:30 a.m.

Legislation and Planning Committee

Wednesday, November 6
10:00 a.m.

State EMS Advisory Board

Wednesday, November 6
1:00 p.m.

Prehospital Care Committee

Wednesday, November 6
1:00 p.m.

Post Acute Care Committee

Wednesday, November 6
1:00 p.m.

Acute Care Committee

Wednesday, November 6
3:00 p.m.

Injury and Violence Prevention Committee

Wednesday, November 6
3:00 p.m.

Emergency Preparedness and Response Committee

Thursday, November 7
8:00 a.m.

System Improvement Committee

Thursday, November 7
8:00 a.m.

Workforce Development Committee

Friday, November 8
10:00 a.m.

Trauma Administrative and Governance Committee

Thursday, November 7
10:30 a.m.

Financial Assistance Review Committee

Thursday, November 7
1:00 p.m.

Virginia Association of Governmental EMS Administrators (VAGEMSA)

Thursday, November 7
7:00 p.m.

Meeting locations and times are subject to change. For the latest information, visit the on-site registration desk on the 3rd floor of the Marriott.

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Exhibit Hall Information

Hours of Operation: Thursday, Nov. 7, 2 - 7 p.m. • Friday, Nov. 8, 9 a.m. - 3 p.m. & 5:45 - 7:45 p.m.

Saturday, Nov. 9, 9 a.m. - Noon

Norfolk Waterside Marriott Vendor Hall:

| | |
|-------|--|
| 1 - 2 | Fisher Sportswear |
| 3 | Brady |
| 5 | Laerdal Medical Corporation |
| 6-7 | Jones & Bartlett Learning Public Safety Group |
| 8 | Atlantic Emergency Solutions |
| 9-10 | Stryker Emergency Care |
| 11 | Goodman Specialized Vehicles |
| 12-13 | Fire Rescue Tactical |
| 14 | Children's Hospital of The King's Daughters - ED |
| 17 | Norfolk Fire-Rescue |
| 18 | Navy Region Mid-Atlantic Fire & Emergency Services |
| 19 | Associates in Emergency Care |
| 23 | PHI Air Medical |
| 24 | Columbia Southern University |
| 25 | iSimulate |
| 26 | Va. Dept of Treasury Unclaimed Property Program |
| 27 | Maryland Fire Equipment |
| 29 | Virginia Association of Volunteer Rescue Squads |
| 31 | Z-Medica |

| | |
|--------|---|
| 33 | Chesapeake Fire Department |
| 37 | Firefighter Cancer Support Network - Virginia Chapter |
| 40 | Spotsylvania Fire, Rescue and Emergency Management |
| 41 | DARE County (NC) EMS |
| 42 | CareerCert |
| 43 | Radford University/ Carilion |
| 46 | Inova Fairfax Medical Campus |
| 47 | HCA Virginia |
| 48 | Reston Hospital Center |
| 50 | Children's Hospital of Richmond at VCU |
| 51 | VCU Medical Center |
| 52 -53 | Riverside Health System |
| 54 | Priority Dispatch |
| 55 | VAGEMSA |
| 58 | Mercury Medical |
| 59 | LifeCare Medical Transports, Inc. |
| 61 | Penn Care |
| 62 | Carilion Clinic Patient Transportation |
| 63 | Life Evac |
| 64 | Nightingale Regional Air Ambulance |
| 66 | UVA - Pegasus |

Ambulances:

| | |
|----|--|
| A1 | Vest's Sales and Service, Inc. |
| A2 | RedStorm Fire & Rescue Apparatus, Inc. |
| A3 | Penn Care |
| A4 | Southeastern Specialty Vehicles |
| A5 | Atlantic Emergency Solutions |
| A6 | Goodman Specialized Vehicles |
| A7 | Northwestern Emergency Vehicles, Inc. |
| A8 | FESCO Emergency Sales |

Hallway Tables:

| | |
|------|--|
| T-1 | Mary Washington Healthcare |
| T-2 | Virginia EMS for Children |
| T-3 | Medical Transport, L.L.C. |
| T-4 | Richmond Ambulance Authority Rider Alert |
| T-9 | Virginia Hospital & Healthcare Association |
| T-17 | VATRO |
| T-23 | Physicians Transport Service |
| T-24 | American Medical Response |

Hilton Norfolk The Main Vendor Hall:

| | |
|-----------|--|
| 101 | Teleflex Inc. |
| 103 | EMSAR |
| 104 | Active Threat Solutions LLC |
| 106 | Sovereign Medical, Inc. |
| 114 | Philips Healthcare |
| 117 | Middle Peninsula Insurance |
| 118 | Gaumard Scientific |
| 120 | Integrity Billing Technology |
| 123 | Whelen Engineering Co Inc. |
| 126 | Apollo Training Group |
| 127 | EMS MC |
| 128 | First Line Technology |
| 131 | Chesterfield Insurers Fire & Rescue Agency |
| 132 | Luna Innovations |
| 134 | CAE Healthcare |
| 135 | Pulsara |
| 136 - 137 | Stryker Emergency Care (Treatment) |
| 139 -141 | Bound Tree Medical |
| 142 | ZOLL MEDICAL |
| 143 | ZOLL (DATA) |
| 144 | AIM Ambulance Information Management |
| 146 | MDAssociates, Inc. |

Please note: Vendors are subject to change. An updated list will be available on the Symposium website and on-site at the event.

J.R. Martinez



Jose Rene "J.R." Martinez is an American actor, author, motivational speaker and retired U.S. Army soldier. In March of 2003, Martinez was deployed to Iraq. In April, he sustained severe burns to over 34 percent of his body when his humvee hit a roadside bomb. Since his recovery, Martinez has become a highly sought-after motivational speaker. He has traveled around the country speaking about his experiences to corporations, veteran's groups, schools and other organizations. In 2008, he joined the famed cast of the Emmy Award winning daytime drama All My Children. After All My Children ran its final season, J.R. went on to surprise and inspire a nation on ABC's Dancing with the Stars. Along with partner Karina Smirnoff, J.R. won the coveted mirror ball trophy, and they were named season 13 champions.

2019 Annual Governor's EMS Awards

09
NOV.

Plan to attend the annual Governor's EMS Awards featuring Keynote Speaker J.R. Martinez.

On Saturday, Nov. 9, we'll recognize and celebrate the Commonwealth's 2019 Governor's EMS Award nominees. There is a \$10/person charge for this event and everyone is invited to attend. This event will include the EMS Memorial Tribute, the presentation of the awards and more!



\$10 per person // Pay in Advance



VIRGINIA EMS SYMPOSIUM SPIRIT NIGHT



You're invited to celebrate our annual Spirit Night with a special dinner cruise on the Elizabeth River. On Wednesday, November 6, the Virginia Office of EMS has organized a Spirit of Norfolk dinner cruise, which will be available to all symposium registrants and guests. In celebration of the 40th Annual Virginia EMS Symposium, this special cruise is offered at a discounted conference rate of \$40 per person – a \$20 discount from last year's rate of \$60. The cruise includes a dinner buffet, DJ entertainment, games and a large rooftop lounge with panoramic views. The cruise is from 7 - 9 p.m., boarding time is at 6:30 p.m. and reservations are required. Offer valid until Oct. 11, and subject to availability.

The Spirit of Norfolk has been recently renovated with modern decor and revamped lounging areas, as well as interactive games and entertainment, a topside open-air rooftop deck, two climate-controlled interior decks, large dance floors and more. Learn more about the Spirit of Norfolk at: www.spiritcruises.com/norfolk. To book your reservation for the Spirit Night dinner cruise, please call Paula Racey at 757-217-0627 or email pracey@EntertainmentCruises.com.



Thursday Night Dinner Theater with Inspirational Magician



NOV. 7, FROM 7:30 - 9:00P.M.

This family-friendly event will welcome an Inspirational Magician who brings his show from Las Vegas to celebrate the 40th Annual Virginia EMS Symposium! The \$10/person fee will cover this special event along with a full course meal with chicken/steak. Must pay in advance.



40th Annual Virginia EMS Symposium

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