

The 38th Annual Virginia EMS Symposium



2017 Course Catalog

More than 360
classes available

Online registration
opens July 17

Learn more and register at:
[www.vdh.virginia.gov/
emergency-medical-
services/2017-ems-
symposium/](http://www.vdh.virginia.gov/emergency-medical-services/2017-ems-symposium/)

November 8 - 12, 2017
Norfolk Waterside Marriott
Norfolk, Virginia

Virginia 
OFFICE OF EMERGENCY MEDICAL SERVICES
Virginia Department of Health

VDH VIRGINIA
DEPARTMENT
OF HEALTH
www.vdh.virginia.gov

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**Note - Classes are arranged by day, time and track for ease of use when planning your schedule.
New this year- one-hour classes are available.*

Thank You Sponsors!

- Fairfax County Fire and Rescue Department
- Norfolk Fire/Rescue
- Physio-Control
- State EMS Advisory Board
- VCU Health
- Virginia Department of Fire Programs
- Virginia Department of Health
- Virginia Emergency Nurses Association
- Virginia EMS for Children

Registration Information

Registration Deadline - October 6, 2017

The Virginia EMS Symposium registration deadline is Friday, Oct. 6, 2017 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. 6, 2017 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 new 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/2017-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 804-888-9110.

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/2017-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 Sandi McGrath at 866-992-3637.

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. 13, 2017. **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 registration will be open during the 2017 EMS Symposium.

Tuesday, Nov. 7, 2017, 7 p.m. - 9 p.m.
Wednesday, Nov. 8, 2017, 7 a.m. - 8 p.m.
Thursday, Nov. 9, 2017, 7 a.m. - 6 p.m.
Friday, Nov. 10, 2017, 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/.

Please note: the City of Norfolk charges a room tax of 14 percent plus \$2/day for lodging.

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, which is \$1.75 for one trip. For more information visit: gohrt.com/fares/bus-fares/.

Youth Rescue Camp

Rescue Camp for youth 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 repelling. Rescue Camp is sponsored by the Virginia Association of Volunteer Rescue Squads (VAVRS). Youth Rescue Camp is limited to 25 children.

Youth classes meet from 8:00 a.m. - 5:30 p.m., Friday, Nov. 10 and Saturday, Nov. 11. **There is a \$25 fee per child attending the rescue camps.** Be sure to register while filling out your symposium registration form.

Annual Governor's EMS Awards Program and Reception

On Saturday, Nov. 11, join us in celebrating the Commonwealth's 2017 Governor's EMS Award presentation. There is no charge for this event and everyone is invited to attend. We'll have the EMS Memorial Tribute and the presentation of the awards.

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.

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. 13, 2017. **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 Educational Development 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, 2017.

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 (**PRE-015**) and/or Field Operations for OMDs (**EDU-531**) are required to register for the symposium, but are exempt from paying registration and class fees for these courses. 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.

Register for the EMS Educator Update - If you would like to attend the EMS Educator Update (**EDU-520**) without registering for symposium, please call 804-888-9120 or email Norma.Howard@vdh.virginia.gov. Attending symposium without registering is restricted to these courses only.

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. You must attend the entire session to receive CE credit.

 **EMS Leadership and Management Certificate** - EMS officers are encouraged to take classes to help them lead and manage their EMS agencies. Earn the EMS Leadership and Management Certificate by taking eight classes that are identified with the Star of Life icon next to the course title. Each half-day counts as two classes. You may sign up to receive a certificate by going to the 3rd floor of the Marriott. Once your attendance is verified, you'll receive your certificate via email. We'll only send you a certificate if you request one. Please direct any questions on the EMS Leadership and Management Certificate to: marian.hunter@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

2017 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

\$185	Full registration includes: all courses held Nov. 8 - 12, 2017, class materials, breaks and special events	\$ _____
\$225	PRE-001 FPC Review Course	\$ _____
\$50	PRE-003 ASHI Wilderness Emergency Care	\$ _____
\$20	PRE-004 ICISF Assisting Individuals in Crisis	\$ _____
\$15	PRE-005 NAEMT - Principals of Ethics and Personal Leadership	\$ _____
\$65	PRE-009 Advanced Moulage Techniques	\$ _____
\$50	PRE-013 Advanced Moulage Techniques: Making Seasoned Providers Cringe!	\$ _____
\$20	PRE-025 Suicide Awareness: An Introduction for Crisis Responders	\$ _____
\$25	RSC- 1301 - Rescue Camp for Youth (\$25/child)	\$ _____

Each family is limited to two registrations for the Rescue Camp.

Rescue Camp participants must be between the ages of 8-12 years old to participate.

**Online Registration
is Quick & Easy!**

There are two ways to register:

Online and
Paper Registration

4. Print Your Name

5. 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 8

8:00 AM - 5:30 PM

___PRE-001(L) Day 1* ___PRE-005(L) Day 1*
___PRE-002(L) Day 1* ___PRE-006(L) Day 1
___PRE-003(L) Day 1* ___PRE-008(L)
___PRE-004(L) Day 1* ___PRE-009(L)*

8:00 AM - 3:30 PM

___PRE-010(L)

8:00 - 10:00 AM

___TRA-1201(L)

8:00 - 9:00 AM

___CAR-401

9:30 - 10:30 AM

___LMGT-701

11:00 AM - 12:00 PM

___HEA-601 ___PED-1001
___OPE-901 ___TRA-1202

1:30 - 5:30 PM

___PRE-007(L)

1:30 - 4:30 PM

___PRE-011(L) ___PRE-012(L)*

1:30 - 3:30 PM

___TRA-1203(L)

1:30- 2:30 PM

___CAR-402 ___TRA-1204
___PED-1002 ___TRA-1205

3:00 - 5:00 PM

___PED-1003 ___TRA-1206(L)

3:00 - 4:00 PM

___ARV-201(L) ___MED-801
___CAR-403 ___PED-1004
___LMGT-702

4:30 - 5:30 PM

___CAR-404 ___LMGT-703
___EDU-501 ___OPE-902
___HEA-602 ___TRA-1207(L)

Thursday, November 9

8:00 AM - 5:30 PM

___PRE-001(L) Day 2* ___PRE-006(L) Day 2
___PRE-002(L) Day 2 ___PRE-013(L)
___PRE-003(L) Day 2* ___PRE-014
___PRE-004(L) Day 2* ___PRE-015
___PRE-005(L) Day 2* ___PRE-016

8:00 AM - 12:00 PM

___PRE-017 ___PRE-019
___PRE-018

8:00 - 11:00 AM

___BLS-301 ___PRE-020(L)

8:00 - 10:00 AM

___PED-1005

8:00 - 9:00 AM

___ARV-202 ___LMGT-705
___CAR-405 ___MED-802
___EDU-502 ___OPE-903
___HEA-603 ___TRA-1208
___LMGT-704(L)

9:30 - 11:30 AM

___TRA-1209(L)

9:30 - 10:30 AM

___ARV-203 ___LMGT-706
___CAR-406 ___OPE-904
___EDU-503 ___PED-1006
___HEA-604 ___PED-1007

11:00 AM - 12:00 PM

___ADM-101 ___LMGT-708
___CAR-407 ___MED-803
___EDU-504 ___MED-804
___LMGT-707 ___PED-1008

1:30 - 5:30 PM

___BLS-302 ___PRE-021
___LMGT-709

1:30 - 4:30 PM

___PRE-023

1:30 - 3:30 PM

___PED-1009 ___TRA-1210(L)

1:30 - 2:30 PM

___ARV-204 ___MED-805
___EDU-505 ___OPE-905
___EDU-506 ___PED-1010
___LMGT-710

3:00 - 5:00 PM

___EDU-507(L)

3:00 - 4:00 PM

___ARV-205 ___OPE-906
___ARV-206(L) ___PED-1011
___HEA-605 ___PED-1012

4:30 - 5:30 PM

___CAR-408 ___PED-1013
___LMGT-711 ___TRA-1211
___MED-806 ___TRA-1212(L)
___MED-807

Friday, November 10

8:00 AM - 5:30 PM

___PRE-001(L) Day 3* ___PRE-024(L)*
___EDU-531 (L) ___PRE-025
___PED-1014(L) ___PRE-026
___RSC-1301(L) Day 1* ___PRE-026

8:00 - 11:00 AM

___PRE-027(L)

8:00 - 10:00 AM

___ARV-207(L) ___BLS-303

8:00 - 9:00 AM

___ARV-208 ___MED-809
___CAR-409 ___MED-810
___CAR-410 ___OPE-907
___EDU-508 ___OPE-908
___HEA-606 ___PED-1015
___HEA-607 ___TRA-1213
___LMGT-712 ___TRA-1214
___MED-808

9:30 AM - 12:00 PM

___PED-1016

9:30 - 11:00 AM

___LMGT-713(L)

9:30 - 10:30 AM

___ADM-102 ___MED-811
___ARV-209 ___MED-812
___CAR-411 ___MED-813
___EDU-509 ___OPE-909
___EDU-510 ___OPE-910
___HEA-608 ___PED-1017
___HEA-609 ___TRA-1215
___LMGT-714 ___TRA-1216
___LMGT-715

10:30 AM - 1:30 PM

___BLS-304

11:00 AM - 12:00 PM

___ARV-210 ___MED-815
___CAR-412 ___MED-816
___CAR-413 ___MED-817
___EDU-511 ___OPE-911
___EDU-512 ___OPE-912
___EDU-513 ___PED-1018
___HEA-610 ___PED-1019
___HEA-611 ___TRA-1217
___LMGT-716 ___TRA-1218
___LMGT-717 ___TRA-1219
___MED-814

1:30 - 5:30 PM

___ADM-103 ___PRE-028(L)

1:30 - 4:30 PM

___PRE-029(L)

1:30 - 2:30 PM
__ ARV-211 __ MED-818
__ CAR-414 __ MED-819
__ CAR-415 __ MED-820
__ EDU-514 __ OPE-913
__ EDU-515 __ OPE-914
__ HEA-612 __ PED-1020
__ HEA-613 __ PED-1021
__ HEA-614 __ PED-1022
__ LMGT-718 __ TRA-1220(L)
__ LMGT-719 __ TRA-1221
__ LMGT-720 __ TRA-1222

2:30 - 5:30 PM
__ BLS-305

3:00 - 5:00 PM
__ ARV-212(L) __ MED-821

3:00 - 4:00 PM
__ ARV-213 __ MED-822
__ CAR-416 __ MED-823
__ CAR-417 __ MED-824
__ CAR-418 __ OPE-915
__ EDU-516 __ OPE-916
__ EDU-517 __ PED-1023
__ HEA-615 __ PED-1024(L)
__ HEA-616 __ TRA-1223
__ LMGT-721 __ TRA-1224
__ LMGT-722

4:30 - 5:30 PM
__ ARV-214(L) __ MED-826
__ CAR-419 __ MED-827
__ CAR-420 __ MED-828
__ EDU-518(L) __ OPE-917
__ EDU-519 __ OPE-918
__ HEA-617 __ PED-1025
__ HEA-618 __ PED-1026
__ LMGT-723 __ TRA-1225
__ LMGT-724 __ TRA-1226
__ MED-825

Saturday, November 11

8:00 AM - 5:30 PM
__ RSC-1301(L) Day 2 __ PRE-030(L)*

8:00 - 11:30 AM
__ EDU-520

8:00 - 10:00 AM
__ BLS-306 __ MED-829

8:00 - 9:00 AM
__ ARV-215(L) __ MED-833
__ ARV-216 __ OPE-919
__ CAR-421 __ OPE-920
__ EDU-521 __ OPE-921
__ HEA-619 __ PED-1027
__ LMGT-725 __ TRA-1227(L)
__ MED-830 __ TRA-1228
__ MED-831 __ TRA-1229
__ MED-832

8:15 - 9:45 AM
__ MED-834(L)

9:00 - 10:00 AM
__ ARV-217(L)

9:15 - 10:45 AM
__ MED-835(L)

9:30 - 11:30 AM
__ ARV-218(L) __ CAR-422

9:30 - 10:30 AM
__ ARV-219 __ MED-837
__ EDU-522 __ MED-838
__ HEA-620 __ OPE-922
__ HEA-621 __ OPE-923
__ HEA-622 __ PED-1028
__ LMGT-726 __ PED-1029
__ LMGT-727 __ PED-1030
__ LMGT-728 __ TRA-1230
__ MED-836(L) __ TRA-1231(L)

10:00 - 11:00 AM
__ ARV-220(L)

10:15 - 11:45 AM
__ MED-839(L)

10:30 - 12:30 AM
__ BLS-307

11:00 AM - 12:00 PM
__ ARV-221(L) __ MED-840
__ ARV-222 __ MED-841
__ CAR-423 __ MED-842
__ EDU-523 __ MED-843
__ EDU-524 __ OPE-924
__ HEA-623 __ OPE-925(L)
__ HEA-624 __ PED-1031
__ LMGT-729 __ PED-1032
__ LMGT-730 __ TRA-1232
__ LMGT-731 __ TRA-1233

11:15 AM - 12:45 PM
__ MED-844(L)

1:00 - 2:00 PM
__ ARV-223(L)

1:15 - 2:45 PM
__ MED-845(L)

1:30 - 5:30 PM
__ PRE-031

1:30 - 4:30 PM
__ PRE-032(L)*

1:30 - 3:30 PM
__ ARV-224(L) __ CAR-424
__ BLS-308 __ MED-846(L)

1:30 - 2:30 PM
__ ADM-104 __ MED-848
__ ARV-225 __ MED-849
__ EDU-525 __ OPE-926
__ EDU-526 __ OPE-927
__ HEA-625 __ OPE-928
__ HEA-626 __ PED-1033
__ LMGT-732 __ PED-1034

__ LMGT-733 __ TRA-1234
__ MED-847 __ TRA-1235

2:00 - 3:00 PM
__ ARV-226(L)

2:15 - 3:45 PM
__ MED-850(L)

3:00 - 4:00 PM
__ ARV-227(L) __ MED-853
__ EDU-527 __ OPE-929
__ EDU-528 __ OPE-930
__ HEA-627 __ OPE-931
__ HEA-628 __ PED-1035
__ HEA-629 __ PED-1036
__ LMGT-734 __ TRA-1236
__ LMGT-735 __ TRA-1237
__ MED-851 __ TRA-1238
__ MED-852

3:15 PM - 4:45 PM
__ MED-854(L)

4:00 PM - 5:00 PM
__ ARV-228(L)

4:15 PM - 5:45 PM
__ MED-855(L)

4:30 PM - 5:30 PM
__ ARV-229 __ MED-856
__ CAR-425 __ MED-857
__ EDU-529 __ MED-858
__ HEA-630 __ OPE-932(L)
__ HEA-631 __ OPE-933
__ LMGT-736 __ OPE-934
__ LMGT-737 __ PED-1037

Sunday, November 12

9:00 - 11:00 AM
__ ARV-230(L) __ PED-1038
__ CAR-426 __ PED-1039
__ EDU-530(L) __ TRA-1239(L)
__ HEA-632 __ TRA-1240
__ LMGT-738

6. Rescue Camp: Child's Name _____ Date of Birth: _____

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: () _____

7. 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 (free for registrants), which will be held Saturday, Nov. 11 at the Norfolk Waterside Marriott?

_____ **Yes** **or** _____ **No**

of Guests (up to five additional) _____

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

PRE-001 FPC Review Course

BLS CAT 2 / ALS Various / 24 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 two days, includes handouts, will introduce providers to critical care and allow experienced providers to feel comfortable sitting for their exam.

Course Fee: \$225.00

Instructor: Christina Martinka Co-Instructor: Jamie Cooper, Megan Cooper, Chris Martinka, Ben Rudman

Limited to: 24

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

PRE-002 EMS Officer I

BLS CAT 2 / ALS CAT 2 / 24.0 CEU

Target Audience: ALS, Administrators, BLS
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.

Prerequisite: Students must complete the homework assignments and online modules prior to attending class. Homework assignments will be checked during class.

Instructor: Christopher Vernovai, Jose Salazar
Limited to: 30

PRE-003 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 an outdoor practical session consisting of the students going to a remote area to perform skills.

Course Fee: \$50.00

Student Requirement: Student will need to bring their wilderness pack with all supplies and equipment needed for the woods. Second day: students will need to bring their pack, water and lunch.

Instructor: Vernon M. Frayser Co-Instructor: Janet Daniels, Mary Frayser, Dan Wilbert

Limited to: 50

PRE-004 ICISF Assisting Individuals in Crisis

BLS 14 / ALS 19 / 16.0 CEU

Target Audience: All

Crisis Intervention is NOT psychotherapy; rather, it is a specialized acute emergency mental health intervention which requires specialized training. As physical first aid is to surgery, crisis intervention is to psychotherapy. Thus, crisis intervention is sometimes called emotional first aid. This program is designed for teach participants the fundamentals and protocol for individual crisis intervention.

Course Fee: \$20.00

Instructor: Patricia A. Copeland

Limited to: 25

PRE-005 NAEMT - Principals of Ethics and Personal Leadership

BLS CAT 2 / ALS CAT 2 / 16.0 CEU

Target Audience: ALS, Administrators, BLS, RNs

Principles of Ethics and Personal Leadership (PEPL) provides EMS and mobile integrated healthcare (MIH) practitioners at all levels with the knowledge and skills they need to effectively interact with patients and their families, other medical personnel, coworkers, supervisors and the community. This course assists students in identifying their personal responsibility and accountability for ethical decision-making and for the exercise of ethical servant leadership for themselves, their patients and their profession.

Course Fee: \$15.00

Student Requirement: NAEMT PEPL Text book ISBN#978-1-284-04257-3 - Jones & Bartlett Learning

Instructor: Charles D. Feiring Co-Instructor: Daniel Linkins

Limited to: 30

PRE-006 PHTLS Basic and Advanced Provider Course

BLS Various / ALS Various / 16.0 CEU

Target Audience: ALS, BLS, RNs

Prehospital Trauma Life Support (PHTLS) is the world's premier prehospital trauma education developed in cooperation with the American College of Surgeons to promote critical thinking in addressing multi-system trauma and provide the latest evidence-based treatment practices. This course focuses on assessment and management of multi-system trauma and provides a safe environment to practice prehospital care of the severely injured patient.

Instructor: James H. Gould Co-Instructor: Basil Asay, Jane Laverne, Tom Nevetral, Ken Williams

Limited to: 24

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

RSC-1301 Rescue Camp for Youth

Target Audience: Youth 8 to 12-years-old

This educational event is for students from 8 to 12 years of age. We will introduce these students to CPR, Water Safety, Search and Rescue, EMT skills regarding bandaging and splinting and other topics as available. This is an interactive event designed to allow the students interested in public safety careers to develop. They will explore many different venues of EMS and Fire.

Course Fee: \$25.00

Instructor: Kathy Eubank Co-Instructor: Todd Barb, Evelyn Edwards, Clay Overholt

Limited to: 25

Wednesday Courses 8:00 AM - 5:30 PM

PRE-008 Airway Is Everything and Everything Is Airway

BLS 11 / ALS 16 / 8.0 CEU

Target Audience: ALS

Airway is Everything and Everything is Airway, this is a lecture and practical course designed to expand the provider's knowledge of airway importance, anatomy, how to grade an airway and how to trouble shoot an airway. They will learn and or review airway tools, review RSI and crash airways, and surgical airways. Students will be placed in lab stations to practice the techniques taught during the lecture and then placed in scenario-based situations as a team. Students will get information and hands-on experience with airway cameras as well.

Wednesday Courses

8:00 AM - 5:30 PM

It's recommended that students are ALS providers with a base knowledge of airway anatomy, techniques and equipment.

Instructor: James E. Mitchell, Co-Instructor: Gary Mullis, Sean Regan, Jeff Tanner

Limited to: 24

PRE-009 Advanced Moulage Techniques

BLS CAT 2 / ALS CAT 2 / 8.0 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

Instructor: Robert S. Ryalls

Limited to: 16

8:00 AM - 3:30 PM

PRE-010 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.

Instructor: Karen Owens Co-Instructor: Frank Cheatham

Limited to: 25

8:00 AM - 10:00 AM

TRA-1201 Tourniquets: The Good, the Bad and the Ugly

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

Participants will gain knowledge through scientific-based medicine and practical application of common practices used in the military and tactical medicine on hemorrhage control techniques for arterial bleeding. Various aftermarket and improvised tourniquets will be used to control extremity hemorrhage.

Instructor: Michael B. Stinson

Limited to: 40

8:00 AM - 9:00 AM

CAR-401 CSI Cardiac Scene Investigation: Easy Cardiology for EMS

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: BLS, Educators, RNs

Cardiology is a subject that can challenge even the best of providers. There are so many variables, imposters and components to be deciphered. Being good at cardiology is a bit like detective work. CSI EMS will investigate the details of cardiology and teach you how to simplify interpretation, go over rules and algorithms for diagnosis, refresh your memory on setting up 4 and 12 lead EKGs and cover 15 and 18 leads EKGs which are pivotal to diagnosing R sided and posterior MI's. Learn new tools to effective diagnosis!

Instructor: Rory S. Putnam

9:30 AM - 10:30 AM

LMGT-701 Something Wicked This Way Comes: The Horror of Common Pitfalls in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

It's a well-known fact there are several common issues that get us in trouble in EMS. Many of these can be a problem both in terms of quality patient care and potential legal concerns. The good news is they are all preventable. This class will tackle the most common pitfalls in EMS. Patient refusals, patient drops and falls, ambulance crashes, misplaced et tubes, sexual harassment, poor documentation, drug diversion and disciplinary actions and strategies for staying out of trouble.

Instructor: Rory S. Putnam

11:00 AM - 12:00 PM

HEA-601 What Makes Us Great Requires Special Care: A Survey of TJEMS Council Wellness

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Frontline providers are well known to carry high levels of stress from their work and often from their lives outside of work. This lecture will provide attendees with insights gained from a year-long project in the TJEMS Council Region that assessed individual strengths and opportunities (as they relate to the unique personality traits of public safety frontline providers) and strategies that may be helpful for individual and organizational efficacy.

Instructor: James F. Calland Co-Instructor: Joyce Camden, Thomas Joyce

OPE-901 No-loads: Coerced or True Patient Refusal?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Who really decides if the patient should go to the hospital by ambulance? Have you witnessed your partner talking a patient out of a ride to the hospital? This tell-it-like-it-really-is presentation is case-based and focuses on the pearls and pitfalls of patient refusals. Learn tips to improve your "powers of persuasion" and "observation". See how to make educated decisions that will help minimize the legal and patient care risks.

Instructor: David I. Page

PED-1001 Pediatric EKGs 101: What I Need to Know

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

A review of normal EKG parameters in children and common abnormalities that may be seen in the field. This will be a lecture based overview of normal parameters for pediatric EKGs as well as a review of a handful of the most common abnormalities one may come across when dispatched in the community.

Instructor: Zachary Goode

TRA-1202 Kinetics of Trauma

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Educators, MD, DO
Open discussion and lecture of Mechanism of Injury patterns that will increase the provider's appreciation of the Index of Suspicion through various multimedia. This course will examine falls, vehicle crashes, impalement as well as other injuries. The presentation will also increase the provider's awareness of safety procedures for themselves as well as the patient's. This is a fast-paced entry introduction to trauma assessment.

Instructor: Max Bornstein

1:30 PM - 5:30 PM

PRE-007 Interactive Classrooms That Engage

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: Educators

The current education trend is geared towards interactive, hybrid and flipped classrooms. Learn strategies to mix-up your classroom for a more engaging experience for students and higher success rates. The Loudoun County Fire and Rescue EMS Training Division would like to share its experiences transitioning to these models at all levels, from EMR through Paramedic. Take away a portfolio of ideas to try in your own classroom.

Instructor: Stephanie J. Corbin

Co-Instructor: Michelle Beatty, Michael McDonald, Rachel Short

Limited to: 24

Wednesday Courses

1:30 PM - 4:30 PM

PRE-011 Ultrasound Education for the Prehospital Provider

BLS CAT 2 / ALS 18 / 3.0 CEU

Target Audience: ALS, Educators, MD, DO

This course is designed to introduce the prehospital ALS provider into 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

PRE-012 Stethoscopy for Dummies

BLS 14 / ALS 19 / 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.

Student Requirement: Students will need to bring their own stethoscope.

Instructor: Bob Page

Limited to: 50

1:30 PM - 3:30 PM

TRA-1203 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 of old school splinting techniques. Practice will include anatomic, rigid and soft splints; using cravats, blankets, pillows and padded board splints. Come dressed comfy and prepared to be a victim and a rescuer for some extremity splinting fun!

Instructor: Kimberly D. Lohr

Limited to: 30

1:30 PM - 2:30 PM

CAR-402 Cardiac Arrest? You Need a Plunger and a CAB?! Sacrilege or New Dogma?

BLS 12 / ALS 17 / 1.0 CEU

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

ABC's versus CAB's...Pulling up on the

chest or pushing down? Are the first commandments of EMS in jeopardy? Come to this evidence based session and learn how new research is changing our perspective on ventilation and circulation. Join David as he leads you in reviewing the best practices that research has used to guide prehospital treatment.

Instructor: David I. Page

PED-1002 Pediatric EKGs 201: Arrhythmia Cases

BLS 12 / ALS 17 / 1.0 CEU

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

This is a follow up of the pediatric EKG "normals" lecture and for those comfortable with identifying normal EKGs. We will work through a case-based series of EKGs identifying arrhythmias, causes, and when it is appropriate to intervene. The goal is to have an interactive session with questions and answers given by the audience. Be prepared to assess rate, rhythm, axis, and PR, QRS, and QTc intervals.

Instructor: Zachary Goode

TRA-1204 It's Just a Flesh Wound: Soft Tissue and Extremity Trauma

BLS 13 / ALS 18 / 1.0 CEU

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

Trauma for the Black Knight is a given, but what about your patient? There are many variations and issues with trauma. We'll explore a detailed look at musculoskeletal injuries, compartment syndrome, burns, bleeding and other soft tissue trauma; with focus on tourniquet use. Remember, trauma doesn't just appear, it happens! Join this graphic and humorous quest with a touch of Monty Python; to examine, through slides, video and photos of accidents of what actually transpired. We will also get into detail about mechanisms of injury and results, including important treatments.

Instructor: Rory S. Putnam

TRA-1205 Management of the Pregnant Trauma Patient - Case presentation and Review of the Literature

BLS 14 / ALS 19 / 1.0 CEU

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

We will use a case to go over some of the principles when taking care of the multiply injured pregnant trauma patient. This session will be interactive, exciting and encourage audience participation! This will also be a nice review of ATLS principles and introduce concepts from the trauma surgery, as well as OB/GYN fields.

Instructor: Rahul J. Anand

3:00 PM - 5:00 PM

PED-1003 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

TRA-1206 Bright Lights, Shiny Helmets

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: ALS, BLS, Educators

We have a player down on the 45-yard line. He does not appear to be moving. The athletic trainer is waving EMS onto the field and they tell you he has cervical pain and loss of movement. Do we take the helmet off or leave it on? Do you backboard him or not? New protocols and evidence-based practices are changing the way we deal with these situations. Come learn how to manage the spinal-injured football player.

Instructor: Rebecca C. Anhold, Jeremy Wampler

Limited to: 30

3:00 PM - 4:00 PM

ARV-201 Basic & Advanced Airway Management

BLS 11 / ALS 16 / 1.0 CEU

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

Teleflex Inc. presents this hands-on classroom session on various airway management techniques. Topics include but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. This session is open to all certification levels.

Instructor: Teleflex Faculty

Limited to: 40

CAR-403 Rotor Rooter: One Hour Artery Cleaners

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

If time is muscle, how long does your team take to clean up an artery? Are

Wednesday Courses

3:00 PM - 4:00 PM

helicopters just for trauma? Are 12-leads just for paramedics? What is the best drug you carry for an MI? Should we give thrombolytics in the field? From the field to the cath lab, a team approach to heart attack care can save lives. This evidence-based session will highlight the best practices of EMS providers and systems to dramatically reduce door-to-artery-open times.

Instructor: David I. Page

LMGT-702 EMS CQI: Patient Centric Data Driven Approach to Providing Quality

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, MD, DO

Many organizations struggle with creating and maintaining a true multidisciplinary quality management program. Often this exercise becomes only a pencil whipping activity to meet some accreditation criteria rather than improving and strengthening a program and its work. Through lecture, case studies and hands on exercises, this presentation will address methodologies for identifying key processes, measuring and analyzing data, improving and controlling performance. Attendees will leave with a few new tools and benchmarking ideas that they will easily be able to implement when they return home.

Instructor: Anthony N. Cascio

MED-801 Death & Dying: Providing Care When the Algorithm Stops

BLS 15 / ALS 20 / 1.0 CEU

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

We spend a tremendous amount of time researching, documenting and educating providers on how to best care for a patient in cardiac arrest. What many never consider is how to best care for family members during and following CPR. This is a vulnerable time yet a prime opportunity to provide our finest customer service that cannot be captured in an algorithm. This course will allow students to take a personal look into one case study which makes the importance of the human component of our jobs so very real.

Instructor: Abbey G. Johnston

PED-1004 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

4:30 PM - 5:30 PM

CAR-404 Phony "MI"lony - STEMI Imposters

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, RNs

That's not a STEMI; it's a wannabe. As EMS agencies look to improve their STEMI system of care they are implementing processes such as allowing Paramedics to activate the catheterization lab prior to consulting with a physician. By reviewing basic and advanced STEMI identification and STEMI imposters, this interactive presentation will assist you in deciding when and when not to activate your STEMI Team.

Instructor: Anthony N. Cascio

EDU-501 Eureka! Learning, Evaluation and Competency

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: BLS

How do you determine skill competency? Number of patient contacts? IV or ET attempts? Live OR intubations? New research is teaching us a lot about how, and when a student has achieved competence. This evidence-based session will highlight the research and explore the implications for EMS classrooms and continuing EMS staff quality improvement.

Instructor: David I. Page

HEA-602 Rethinking Critical Incident Stress Management: What do we need to heal?

BLS 14 / ALS 19 / 1.0 CEU

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

Multiple national agencies and experts have questioned the utility of Critical Incident Stress Management after disasters and difficult patient encounters due to the possibility that forced recollection of compartmentalized memories leads to deeper, more lasting psychological wounds. This panel discussion of established experts will explore the strengths and liabilities of the current CISM architecture and consider opportunities for future programs.

Instructor: James F. Calland

LMGT-703 Putting Pride in Customer Service

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

Excellence in Customer service is an expectation. Taking pride in how we deliver our services to the customer is important. If someone has a good experience they tell five people, if it is bad they tell everyone. By providing the essentials, the employee will do the right thing, always strive to go the extra mile for your customers and develop a positive image in the process. We will look at corporations and public safety agencies that are known for excellence in customer service to find ways to improve your organization.

Instructor: Gary W. Samuels

OPE-902 MCIM I and II Train-the-Trainer

BLS CAT 2 / ALS CAT 2 / 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.

Prerequisite: For Instructor Certification include MCIM I and II completion, EMS Certification and instructor certification in another class.

Instructor: Karen Owens

TRA-1207 EZ-IO and the Proximal Humerus Advantage

BLS CAT 2 / ALS 18 / 1.0 CEU

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

Teleflex Inc. presents this hands-on classroom session for EZ-IO. Obtaining vascular access in the prehospital environment is a primary concern. Fluid or medication instilled in the intraosseous space gains access to central circulation rapidly. This course provides education on land marking, insertion and identifying key components in delivering fluids and medications via the proximal humerus intraosseous route.

Instructor: Teleflex Faculty

Limited to: 50

Thursday Courses

8:00 AM - 5:30 PM

PRE-013 Advanced Moulage Techniques: Making Seasoned Providers Cringe!

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: All

Students will learn how to produce

Thursday Courses

8:00 AM - 5:30 PM

realistic effects that closely mimic real life injuries and medical emergencies so as to prepare providers for their encounters and minimize shock factors, maximize efficiency, and boost adult education by connecting head, hands and eye components. Application techniques will be discussed and critiqued, as well as tips and tricks for stability and longevity of moulage. We will also review costs and sustainability of moulage and cost saving measures.

Course Fee: \$50.00

Instructor: Holly A. Sturdevant

Limited to: 24

PRE-014 Multi-Lead Medics 12 Lead Interpretation Course

BLS CAT 2 / ALS 17 / 8.0 CEU

Target Audience: All

Would you believe that you could take a 12 lead class and have fun? Presented by Bob Page, author of "12 Lead ECG for Acute and Critical Care Providers", this, non-stop interactive 12 lead ECG course, presented internationally, includes lead placement, axis and hemiblock determination and bundle branch blocks; differentiating wide complex tachycardia and myocardial infarction recognition. Participants will review approximately 200 12 lead ECGs. There is also a website for graduates, providing continual competency and feedback from the instructor. The seminar delivers a state of the art enhanced presentation.

Instructor: Bob Page

PRE-015 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. This course will count towards requirements for re-endorsement as an EMS physician, and CME will be offered.

Instructor: George Lindbeck

PRE-016 Tactical Emergency Casualty Care for ALS/BLS Providers

BLS CAT 2 / ALS Various / 8.0 CEU

Target Audience: ALS, BLS

The Tactical Emergency Casualty Care (TECC) guidelines represent a set of evidenced-based best practices for the immediate medical management of wounded at or near the point of wounding in all prehospital high-risk scenarios.

TECC is not tactical medicine; instead, it is intended for any situation where there is an increased on-going threat to the provider and patient. Developed from military battlefield TCCC guidelines, TECC balances the on-going threats, civilian scope of practice, differences in civilian population, medical equipment limits, and the variable resources for response in civilian atypical emergencies.

Instructor: E. Reed Smith Co-Instructor: Geoff Shapiro

8:00 AM - 12:00 PM

PRE-017 STEMI Provider Program Level I

BLS CAT 2 / ALS 17 / 4.0 CEU

Target Audience: ALS, Educators

The STEMI Level I Provider Program conveys the essential content that is critical for all ALS providers called to make STEMI alerts or cath lab activation. Get practical, systematic approach that maximizes STEMI recognition, while simultaneously reducing false positive, appropriate, cath lab activations. Topics covered include: proper recognition of ST elevation, a simple way to rule out the top STEMI imposters, identification of strengths and weaknesses of your device's algorithm statement and a practical approach to critical thinking that incorporates your ECG interpretation, the clinical presentation and the device's statement.

Instructor: Tim Phalen

PRE-018 Does Your Test Really Test What You Think It's Testing?

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: Educators

Does your test really provide the information to the student to allow them to succeed. How do you construct your test and how do you validate the exam? Test construction and validation has never been easier. Come learn how you can create valid and reliable multiple choice exams and evaluate their performance.

Instructor: David I. Page

PRE-019 Draw This, Build That: Changing the Paradigm

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: Educators

This presentation will discuss and demonstrate innovative ways to create an interactive classroom. While educators agree that keeping students engaged increases their level of learning and absorption of information, methods for achieving such an engagement can be challenging. We will help other EMS educators walk away with concrete, tangible tools; ready to implement immediately and to successfully create

an interactive classroom. Student engagement produced through instructor-facilitated/student-lead activities elevates students' depth of understanding. This approach to EMS education can be easily applied to multiple venues from initial certification to continuing education.

Student Requirement: Participants should bring examples or photos of activities, demonstrations or projects that have been successful in the classroom.

Instructor: Monique Dixon Co-Instructor: Donna Speakes

8:00 AM - 11:00 AM

BLS-301 BLS Academy - Cardiovascular Part 1

BLS 12 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

This is the first 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: Daniel J. Destefano

PRE-020 Hog Wild for BLS Providers

BLS 11 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Dissection labs are usually reserved for ALS providers, but this lab is specifically designed for BLS providers. Come join us in this pig dissection lab as we cut our way through the anatomy and physiology of the respiratory system. We will look firsthand at what causes the most common respiratory emergencies.

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

Limited to: 24

8:00 AM - 10:00 AM

PED-1005 The Squeaks and Peeps that Kids Make

BLS 11 / ALS 16 / 2.0 CEU

Target Audience: ALS, BLS, RNs

Pediatric calls usually make up less than ten percent of an agency's calls and we all know kiddos can be quite scary, intimidating, and challenging. How about when they're experiencing a respiratory emergency? Take a breath and come learn about the differences between the pediatric and adult respiratory anatomy, common pediatric respiratory emergencies you may encounter, how they present and most importantly, how to treat them without sending yourself into an arrhythmia.

Instructor: Tiffany G. Chatham

Thursday Courses

8:00 AM - 9:00 AM

ARV-202 Going From Hellacious to Sagacious: Managing the Difficult Airway

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, RNs

Generally speaking, the difficult airway comes in two flavors: anatomical and physiological. Historically, EMS providers are familiar with how to identify the anatomically difficult airway while not being as familiar with the physiological difficult airway. This presentation will review how to identify and manage both types focusing on the physiologically difficult airway. Failing to manage the physiologic airway will result in the patient to decompensate further. The speaker will also discuss the results of a recently implemented progressive advanced airway management protocol which it's paramedics to properly manage these patients.

Instructor: Anthony N. Cascio

CAR-405 "Basic" Cardiology

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS

If you are an EMT and if you 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

EDU-502 History of EMS 1960 to Present

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will provide the participant with an overview of the history of EMS within the United States. Not only will national EMS history be discussed, the course will also highlight some historical EMS events from the Commonwealth of Virginia. The presentation will provide a good overview of factors impacting the development of EMS in the 1960's, what individuals had a positive influence on EMS history and some of the major developments that impacted the history of EMS.

Instructor: William F. Toon

HEA-603 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-704 Superhero or Superloser? Change the Culture and Get With the Program

BLS 15 / ALS 20 / 1.0 CEU

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

Do you or your agency suffer from the hero syndrome? Is the culture at your agency defined by providers having high expectations of themselves and low expectations of their colleagues? Do you feel like you carry the team because others will not pull their weight? Are there slackers and no consequences for free riding? Learn to engage members and leadership to change the operational culture. Learn the values of culture change and actions that foster a collaborative environment. Come ready to engage, as this seminar will get you involved.

Instructor: Karen D. Wagner

Limited to: 24

LMGT-705 Running Lean: Doing More With Less in Your Volunteer Agency

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

What is the cost of saving lives? Can we even quantify it? EMS system demands are increasing, tax bases are dwindling, public expectations are often unrealistic, and municipal officials are subjecting agencies to increased scrutiny of finances and expenditures. All around the country, volunteer EMS is in crisis. Join Nancy Magee as she explores strategies to help your agency quantify assets on hand, control costs without reducing service, and better present your cause to the public in order to obtain, maintain and, if necessary, increase funding.

Instructor: Nancy Magee

MED-802 Ketamine: Myths and Realities

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS

Ketamine is sometimes referred to as a wonder drug, but others call it a dangerous agent. Take a look at the realities of the drug and learn how to use it safely and effectively. The lecture will cover the pharmacology and dosing for various

indications as well as identifying when ketamine is your best agent and when older agents might still be preferable.

Instructor: Gregory L. Cassis

OPE-903 Turf Wars

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

You are covering or responding to a sporting event and are called on the field by the ATC (who?). Both the athletic trainer and AIC are barking out orders to the providers. Who is in charge? If you help cover high school sporting events or you ever wondered what an ATC is, this class is for you! We will take a look at the importance of developing a working relationship with local schools or sports organizations to make for a smoother operation in the event of a serious injury.

Instructor: Rebecca C. Anhold

TRA-1208 Fluid Resuscitation Without an IV

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

Aggressive out-of-hospital fluid administration to patients suffering from traumatic injury increases blood loss and mortality. Recently, researchers developed an easy to use device which will increase blood return to the heart thereby increasing cardiac output and cerebral perfusion, while simultaneously lowering intracranial pressures (ICP). This new therapy requires no IV, no advanced airway, and in fact, no advanced skills of any kind. This presentation will examine how rescuers can provide beneficial fluid therapy without ever having to spike an IV bag.

Instructor: Kenneth W. Navarro

9:30 AM - 11:30 AM

TRA-1209 Tourniquet Etiquette

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

This class will discuss the history of tourniquet use and the rapidly expanding scientific knowledge base. The different types for tourniquet, different locations, advantages and disadvantages as well as trouble-shooting will be discussed. Different tourniquet devices from homemade style to current manufactured products will be available for demonstration, practice and application for those who accept risk of being tourniqueted.

Instructor: Charles J. Lane

Limited to: 45

Thursday Courses 9:30 AM - 10:30 AM

ARV-203 Ventilator Management Made Simple

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, RNs

Whether you are using a bag-mask or mechanical ventilator, how you provide those ventilations is quintessential to primum non nocere. This presentation will provide you with up-to-date simple ventilator management strategies to manage your critical patients with either obstruction (Asthma/COPD exacerbation) or without obstruction. In addition, several case studies will be utilized to strengthen your comprehension of the material.

Instructor: Anthony N. Cascio

CAR-406 Cardiac Chameleons: When the EKG Changes in Your Stroke Patient

BLS CAT 2 / ALS 17 / 1.0 CEU

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

A stroke is unique in presentation, but we sometimes forget it is created by cardiovascular disease. We should expect to see EKG changes in our patients. Unfortunately, many of these can be sudden and unexpected as we concentrate on the patient's stroke symptoms. This class will explore common EKG changes seen in stroke patients while reiterating importance of good diagnosis, early recognition and treatment. Emphasis will be on case studies and identifying EKG changes typically seen with stroke so you can care for these high risk patients with better outcomes!

Instructor: Rory S. Putnam

EDU-503 EMS Educators - Best Practices Roundtable

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Have you ever said, "Wow, why didn't I think of that?!" During 30 years of networking with other EMS educators, I've said it a lot. The synergy that comes from professionals sharing their experiences (both successes and failures) with each other benefits everyone involved; especially our students. This one-hour session will be a roundtable discussion; so bring the lessons you've learned and expect to leave with much more than you came with!

Instructor: William R. Akers

HEA-604 Checklist for EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will provide the participant with an understanding of checklists and how they can have a

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positive impact on all aspects of EMS practice. Aviation has been using checklist since the 1930's and healthcare has now embraced the checklist. EMS as part of healthcare needs checklists. Examples of EMS checklists will also be presented.

Instructor: William F. Toon

LMG7-706 The High Cost of Low Morale in EMS

BLS 15 / ALS 20 / 1.0 CEU

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

Increased negativity, higher rates of absenteeism, or reduced cooperation or commitment are sure signs that your agencies morale is headed for a bottomless pit. When communication is scarce, gossip and misinformation flourish. There is only one way to Stop the insanity! Foster an ownership environment in which providers and leaders are challenged to take initiative and solve problems in creative ways. Not only will that improve morale at your agency, it will strengthen your agency overall. It's not just talk...learn how to make a difference.

Instructor: Karen D. Wagner

OPE-904 Traditional Culture vs. Western Medicine: What I Learned In China

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators

As part of a contingent of educators selected to begin the first paramedic training program in China, the presenter learned many things about traditional Chinese medicine. During this lively presentation, he will detail China's efforts to include western medicine in its Emergency Medical Services programs. Further, he will detail systems and cultural issues that are slowing progress.

Instructor: Jay M. Scott

PED-1006 Epiglottitis, Bronchiolitis, and Big Wheels; Pediatric Pulmonary Emergencies

BLS 11 / ALS 16 / 1.0 CEU

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

Since the first Day of EMT School, respiratory function has been the cornerstone of pediatric education. Infants and children depend heavily on effective oxygenation and ventilation, but what happens when respiratory function is compromised? This presentation will discuss respiratory physiology and pathophysiology and will precisely define a differential diagnostic approach to the assessment and management of pediatric pulmonary emergencies.

Instructor: William S. Krost

PED-1007 Prehospital Pediatric Assessment

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

This hour long presentation will focus on assessing an acutely ill pediatric patient in the pre-hospital setting. The lecture will highlight the differences from an adult assessment. Key concepts will include the following: respiratory distress, hypovolemia, anaphylaxis, seizures, analysis of vital signs, compensation/decompensation and how they compare to the adult patient.

Instructor: Lauren K. Paluch

11:00 AM - 12:00 PM

ADM-101 See How Easy It Is to Submit an EMS Grant

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will provide guidance on the Rescue Squad Assistance Fund (RSAF) grant program provided by OEMS along with an overview of the newly implemented EMS-Grant Information Funding Tool (E-GIFT) Web application. The RSAF is available to all licensed EMS agencies or other EMS organizations operating on a nonprofit basis for the benefit of the public for requests such as equipment, programs, specialized training, vehicles and other EMS services. This workshop is highly recommended to all levels of those interested in submitting EMS grants.

Instructor: Amanda B. Davis

CAR-407 Double-Sequential Defibrillation: Is Two Better Than One?

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Although transporting patients in refractory or recurrent ventricular fibrillation seems reasonable, the dismal quality of manual CPR during transport makes it clear that without achieving ROSC in the field, these patients have little hope for survival. Double-sequential or dual defibrillation may offer a therapeutic solution to terminating VF and achieving ROSC when standard defibrillation techniques fail. This presentation will examine the physiology of refractory and recurrent ventricular fibrillation and the latest evidence surrounding double-sequential defibrillation.

Instructor: Kenneth W. Navarro

EDU-504 What the Data is Telling Us About Prehospital Continuing Education

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

The Commission on Accreditation

Thursday Courses

11:00 AM - 12:00 PM

for Prehospital Continuing Education (CAPCE) maintains a data base of EMS continuing education (CE) course completions. The eight million records in the data base shed light on EMS CE. This interactive presentation is designed to detail EMS provider preferences for types of CE, when CE is completed, how CE is completed and how refresher training is completed for Nationally Registered and non-Nationally Registered EMS providers.
Instructor: Jay M. Scott

LMGT-707 Arlington County Advance Practice Paramedic Program...One Year Later

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

The Arlington County Fire Department embarked into the world of Mobile Integrated Health Care with a program called Advanced Practice Paramedics. This session will discuss the operations, training, implementation and lessons learned in this particular model. Discussion will include advanced assessment, training and use of screening tools in order to safely transport patients via standard and alternative resources to appropriate destinations.

Instructor: Matthew E. Dreher Co-Instructor: Kathleen Kramer

LMGT-708 Don't Show Me the Money: Effectively Incentivizing Volunteers

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, BLS

No one begins a career in EMS with dreams of a fat paycheck. Conduct a poll of providers as to why they chose EMS as a career, and the overwhelming majority would answer, "To make a difference." This is doubly true of EMS volunteers, who expect no paycheck at all for the opportunity to make a difference. So why do so many volunteer agencies offer token financial incentives to their members to encourage them to respond to calls? Join Nancy Magee as she examines what truly motivates EMS volunteers.

Instructor: Nancy Magee

MED-803 Demystifying That Bag of Bottles

BLS 14 / ALS 19 / 1.0 CEU

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

Does every patient that you run on has that same big gallon-sized zip lock bag full of pill bottles? You record the drugs on your run report but in most cases, don't have time to figure out what the drugs are. This session will reveal patterns in

drug names and classes. Participants will be able to identify what each drug is and what their likely side effects and potential interactions are without ever picking up a textbook or searching through an app.

Instructor: William S. Krost

MED-804 Hot in Here!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

As EMS providers, minimum on-scene time is often emphasized to us, especially in the case of life threatening conditions. In the case of exertional heat illness, aggressive and immediate whole-body cooling is imperative and may make the difference between life and death. In this class, we will discuss recommendations for working with medical direction and sports medicine professionals to develop treatment protocols for these patients.

Instructor: Rebecca C. Anhold

PED-1008 Pediatric Injuries

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

This presentation will focus on pediatric injuries and proper pre-hospital management. Topics will include burn care, assessment and immobilization of fractures as well as pain management. The pain management portion of the lecture will include both techniques to calm the patient as well as appropriate pain medicine administration in the pediatric patient.

Instructor: Lauren K. Paluch

1:30 PM - 5:30 PM

BLS-302 BLS Academy - Medical Part 1

BLS 14 / ALS CAT 2 / 4.0 CEU

Target Audience: BLS

This is Part 1 of the 2 part Medical emergencies in the BLS Academy. This course will satisfy 4 of the 6 hours required for Medical, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.

Instructor: Paul Fleenor Co-Instructor: Jimmy Burch

LMGT-709 Mock Administrative Hearing

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: All

EMS Providers are far more likely to become involved in an OEMS administrative investigation / hearing process during their career than they are to find themselves in court. Join an all-star team comprised of actual investigators, hearing officers, and an attorney who specializes in EMS law for an abbreviated look inside an actual mock EMS investigation and hearing process in the context of a complaint

against an EMS provider.

Instructor: Allison J. Bloom Co-Instructor: Melissa Doak, Heather Phillips-Greene, Bob Swander

PRE-021 STEMI Provider Program Level II

BLS CAT 2 / ALS 17 / 4.0 CEU

Target Audience: ALS, Educators

STEMI Provider Level II is for those who want to dive deeper into the 12-lead ECG. Some of the topics addressed include: Suspecting STEMI in the presence of a the top STEMI imposters (STEMI in LBBB, RBBB, LVH, etc) identification of high risk ECG patterns without ST elevation that are considered "STEMI equivalents," the less common STEMI imposters and using the 12-lead to better understand and manage AV block in STEMI.

Prerequisite: Completion of STEMI Level I provider or familiarity with its content and concepts.

Instructor: Tim Phalen

1:30 PM - 4:30 PM

PRE-023 Hog Wild for BLS Providers

BLS 11 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

Dissection Labs are usually reserved for ALS providers, but this lab is specifically designed for BLS providers. Come join us in this pig dissection lab as we cut our way through the anatomy and physiology of the respiratory system. We will look firsthand at what causes the most common respiratory emergencies.

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

Limited to: 24

1:30 PM - 3:30 PM

PED-1009 Little People and Big, Bad Bugs - Pediatric Sepsis

BLS 14 / ALS 19 / 2.0 CEU

Target Audience: ALS, BLS, RNs

Sure, you're probably familiar with sepsis in the adult patient, but did you know that sepsis is one of the most common causes of death in infants and children worldwide? Come listen and learn as we discuss the most common causes of pediatric sepsis, the pathophysiology behind it, various differences between adults and peds in regards to sepsis, the current national standards of management and the importance of early recognition and intervention so that you are prepared.

Instructor: Tiffany G. Chatham

Thursday Courses

1:30 PM - 3:30 PM

TRA-1210 Make It Stop!

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: ALS, BLS Educators, RNs

This lecture and hands-on session will provide a foundational lecture on hemorrhage control, the clotting process, components of blood and techniques and areas to target for making it stop! The hands-on practical portion will include active bleeding simulators that allow for wound packing and tourniquet application, along with auxiliary hemorrhage control techniques.

Instructor: Christopher M. Kroboth, Co-Instructors: Bruce Stark

Limited to: 40

1:30 PM - 2:30 PM

ARV-204 The Ins and Outs of PEEPS and PIPs- Adult Mechanical Ventilation

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, RNs

Placing a patient on a ventilator can be a daunting task. If mastered, mechanical ventilation can greatly improve the patient's condition and make them more comfortable as they recover from their illness or injury. To the contrary, incorrect management or misunderstanding of ventilation theory can harm our patients. Course will discuss the various types of modes, settings, and triggers that clinicians can use to manage their mechanically ventilated patients successfully.

Instructor: Bradford T. Garmon

EDU-505 100 Percent First Time Pass Rates on the NREMT Exam: The Secret Recipe Revealed!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Don't miss this event. Transform your perception of written exams and inspire yourself to change the structure of your teaching. Would it surprise you to learn that field experience improves NREMT scores? Learn to think differently and have your students think critically about the NREMT exam. You will never look at cognitive evaluation in the same way and your students will think their exam was a walk in the park.

Instructor: David I. Page

EDU-506 Finding the "Evidence" to Support Your Lecture, Protocol or Clinical Practice

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

This presentation will provide the

participant with the knowledge on how to find the latest scientific evidence to support best practices in the classroom, treatment protocols and clinical practice. The presentation will discuss the best search engines to utilize, how to find the best evidence that is current, how to appraise the evidence found and what to do next after finding the best evidence.

Instructor: William F. Toon

LMGT-710 Millennials, Gen X and Baby Boomers - or Snowflakes, Slackers and Dinosaurs?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, Educators

In this session, we will explore the unique attributes of each generation and discuss combining their strengths to succeed in building a strong and sustainable volunteer EMS workforce. We will also compare, contrast and consider lessons from the success of two long-established and exceptional volunteer agencies. Join Nancy Magee as she explains how to bridge the gap between EMTs, both old and young, through harnessing the distinct talents of each generation.

Instructor: Nancy Magee

MED-805 OTC Naloxone: The Next AED or Disaster in the Making

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Virginia has approved naloxone as an over-the-counter medication! Due to the public health crisis posed by opiate abuse, anyone can walk into a pharmacy and pick up the same dose carried on ambulances. In addition, some law enforcement agencies have begun carrying the same medication. Will the increased distribution lead to lives saved or mismanagement of overdose patients. We will review the epidemiology and pharmacology of naloxone and discuss potential medical implications of medication delivery without immediate follow up care. If you think naloxone is a harmless medication, think again.

Instructor: Gregory L. Cassis

OPE-905 Medical/Legal Case Studies for EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS

Early in the history of EMS, few providers were concerned about the legal issues surrounding out-of-hospital care. However, as the EMS profession matured, so has its attention to medical/legal issues. Increasingly, EMTs, paramedics, administrative personnel, and medical directors are facing legal questioning. This presentation will focus on an open and interactive discussion of the medical/legal issues of real cases before revealing the

actual outcome as handed down by a jury.

Instructor: Kenneth W. Navarro

PED-1010 Asthma in the Pediatric Population

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

This lecture will focus on the recognition and management of respiratory difficulty secondary to an acute asthmatic exacerbation in a child. This includes discussion of signs of respiratory distress in the pediatric population as well as the management of related sequelae, such as hypoxia. Included topics will be proper use of emergent medication and equipment in the pediatric population for the pre-hospital environment.

Instructor: Lauren K. Paluch

3:00 PM - 5:00 PM

EDU-507 Patient Assessment From the Patient's Point of View

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: All

While trying to do the best we can for each patient, we sometimes forget how it feels for the patient who is not accustomed to being extricated, immobilized, disrobed, poked and/or palpated from head to toe. It's important to remember not everyone is knowledgeable of the comprehensive healthcare assessment. Using video, visual imagery and discussion, participants will experience assessment from the patient's perspective. Today, someone will call 911 for the first time, the last time or the only time. Don't we owe them our best?

Instructor: Catherine S. Dunn

Limited to: 48

3:00 PM - 4:00 PM

ARV-205 Tunnel Vision: Complex Airway Management and RSI

BLS CAT 2 / 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: Bradford T. Garmon

Thursday Courses

3:00 PM - 4:00 PM

ARV-206 Basic & Advanced Airway Management

BLS 11 / ALS 16 / 1.0 CEU

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

Teleflex Inc. presents this hands-on classroom session on various airway management techniques. Topics include but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. This session is open to all certification levels.

Instructor: Teleflex Faculty

Limited to: 40

HEA-605 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-906 The Active Shooter and Your Quick Response

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

The active shooter or other high threat response, is a dynamic and challenging incident for any agency. This course will cover the history of active shooter incidents, treatment of victims and typical wounding patterns, equipment needed to help the victims, the importance of unified command and how to begin the foundations of response to high threat incidents.

Instructor: Matthew E. Dreher

PED-1011 Pediatric Allergic Reactions 1.0 CEU

Target Audience: ALS, BLS

This lecture will cover the classification and management of the four types of hypersensitivity reactions, from urticaria to anaphylaxis, in the pediatric population. We will also discuss how to distinguish a mild reaction from a life-threatening one in the pre-hospital environment. Additionally, we will cover the pre-hospital medications that can be used in various hypersensitivity scenarios.

Instructor: Lauren K. Paluch

PED-1012 Children in Distress

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Dispatcher, RNs

Social and popular media is full of stories involving mental health. Bullying, homicide, assaults, and overdoses are in the news daily. Suicide is the second leading cause of death for children older than ten. Add mood stabilizers, the most commonly prescribed medications in the United States, and it is evident that this problem is not going away. Diagnoses commonly presenting in pediatric patients will be explained. The mental health industry in Virginia and resources for EMS will also be explored.

Instructor: W. Lawrence Daniels

4:30 PM - 5:30 PM

CAR-408 It's Why We Do CPR - Survivor Stories

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Many EMS professionals who have been active on a truck in their careers will have done CPR on patients. Most of these codes have had poor outcomes including no return of spontaneous circulation and poor neurological function. Thanks to evidenced-based medicine and team approach to resuscitation, outcomes have improved. This session looks at survivor stories with focus on the impact that EMS providers have made in the lives of those given a second chance at life.

Instructor: Rebecca Valentine

LMGT-711 Data, Information and Action...Oh My!

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: Administrators

In this era of performance measurement and business management, emergency medical services organizations sometimes struggle with the question, "How do we know we are doing a good job?" This question can be approached from many different perspectives, ranging from "touchy-feely" community engagement to "rigid and concrete" response time reliability. The key to understanding these dynamics is being able to use the data you have, getting the data you don't and figuring out what to do with any of it.

Instructor: Dennis Wood

MED-806 EMS Operations: The Young and the Old

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Let's talk about how your approach, appearance and demeanor have an impact on your patient care. Not only do generational differences (old) or developmental stages (young) have an

impact on your interaction with your patient, but it also gives you insight into what injuries or medical complaints to expect and investigate. Then how do you modify your patient transport to assist the littlest patient to the oldest patient? We will discuss our at-risk populations (0.5hours) and pediatric transport (0.5hours) considerations.

Instructor: David E. Weand

MED-807 Best Damn Presentation at Symposium 2017

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This is the one presentation you shouldn't skip. Two OMDs discuss hot topics in EMS. Bring your questions and a healthy sense of humor. Audience interaction with new improvements! (This year with OEMS approved mediators!) Win awards and prizes! As always: New and improved for 2017! Viewer discretion is advised.

Instructor: Brian D. Ekey

PED-1013 Pediatric Mental Health Pharmacology

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Pediatric mental health is a growing concern. The treatment of these disorders has seen a rapid growth in pharmacological interventions. During this course we will explore the current trends, with specific implications for EMS providers, including behaviors and interventions. The toxicology of common drugs will also be addressed with key signs, symptoms and interventions. In addition, detailed pharmacodynamics and pharmacokinetics of central nervous system drugs will be presented and we will expand on basic peripheral nervous system pharmacology typically encountered by the EMS ALS provider.

Instructor: W. Lawrence Daniels

TRA-1211 Scalpels, TXA and Tourniquets: Does All the Trauma Gear Help or Hurt?

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Trauma management and standard equipment have changed due to military research applied to civilian ambulances. Have the extra tools saved lives? The answer so far is surprisingly mixed. Some cities have found no care beats ALS, the same situation EMS found itself in 40 years ago. Learn what the data actually shows and find out which tools and skills actually benefit patients. The lecture will discuss trauma scene management and where and how BLS and ALS interventions benefit trauma patients.

Instructor: Gregory L. Cassis

Thursday Courses

4:30 PM - 5:30 PM

TRA-1212 EZ-IO and the Proximal Humerus Advantage

BLS CAT 2 / ALS 18 / 1.0 CEU

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

Teleflex Inc. presents this hands-on classroom session for EZ-IO. Obtaining vascular access in the prehospital environment is a primary concern. Fluid or medication instilled in the intraosseous space gains access to central circulation rapidly. This course provides education on land marking, insertion and identifying key components in delivering fluids and medications via the proximal humerus intraosseous route.

Instructor: Teleflex Faculty

Limited to: 50

Friday Courses

8:00 AM - 5:30 PM

EDU-531 Field Operations for OMD's

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: MD, DO

This course will provide OMD's with the opportunity to gain some "hands on" experience in fire and rescue field operations that their providers frequently participate in. Scenarios can include vehicle extrication, simulated interior firefighting/rescue, vertical rescue, hazardous material situations, etc. Emphasis will be given to the OMD's role in planning and participating in such operations. CME credit will be offered.

Instructor: George Lindbeck

Limited to: 24

M.D./D.O. Requirement: Must bring full set of fire fighting turn-out gear, including helmet, eye protection, gloves and boots. Extrication weight gear will be acceptable. Don't bring self-contained breathing apparatus.

PED-1014 Pediatric Emergency Assessment Course

BLS 14 / ALS 19 / 8.0 CEU

Target Audience: All

PALS, PEPP, P-ITLS, APLS, PCC, NRP, PEARS: all Pediatric Courses. Each has their merits. What if you could take a class that highlighted the best of all courses along with some assessment techniques not seen in any of them? Interested? Come join two passionate educators, Bob Page and UVA favorite, Dusty Lynn, as they present an exciting course of hands on and interactive case studies designed to help you hone your pediatric assessment skills. Spend an amazing day exploring pediatric assessment pearls and gaining

the feedback you need for success.

Instructor: Bob Page Co-Instructor: Dusty Lynn

Limited to: 36

PRE-024 PEPP Course - Pediatric Education for Prehospital Providers

BLS Various / ALS Various / 8.0 CEU

Target Audience: BLS, MD, DO, 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. The Basic Life Support (BLS) course is geared toward the Emergency Medical Responder (EMR) and Emergency Medical Technician (EMT).

Prerequisite: Students will be provided (by mail) a Pediatric Education for Prehospital Professionals (PEPP) 3rd Edition Revised textbook. Read and study the text, take the online pretest, and bring the book to class.

Instructor: Theresa E. Guins

Limited to: 24

PRE-025 Suicide Awareness: An Introduction for Crisis Responders

BLS 14 / ALS 19 / 8.0 CEU

Target Audience: All

The ability to recognize and effectively intervene with suicidal individuals is one of the most challenging aspects of crisis intervention. Recommended for those without formal mental health training. Course is designed to increase awareness of suicide, and equip participants with information and basic skills to respond to a person considering suicide. Discussions, demonstrations and scenarios will be used to facilitate learning. Introductory level course. Overview of suicide Crisis intervention and suicide prevention; Preventative and Protective Factors Risk and Recognition; Strategies for Responding to those considering suicide; Referral Skills and Resources.

Course Fee: \$20.00

Instructor: Patricia A. Copeland

PRE-026 EMS Has Gone to the Dogs

BLS CAT 2 / ALS CAT 2 / 8.0 CEU

Target Audience: ALS, BLS, RNs

The new or seasoned EMS provider will be exposed to the skills and knowledge needed to treat an injured police, fire or federal canine with the cache carried in the EMS Unit. We will teach K-9 CPR and both basic and advanced anatomy and skills for the injured canine. Medical and

trauma scenarios will also be studied.

Instructor: Vernon M. Frayser

8:00 AM - 11:00 AM

PRE-027 Advanced Airway Lab

BLS CAT 2 / ALS 16 / 3.0 CEU

Target Audience: ALS

This session is a hands-on lab reviewing traditional airway skills. We will perform maneuvers on difficult airways, surgical airways, discuss ETCO2 and review the latest technology.

Instructor: Allen Yee Co-Instructor: Dillard Ferguson

Limited to: 32

8:00 AM - 10:00 AM

ARV-207 BLS Management of Acute Respiratory Distress

BLS 14 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

BLS skills are critical to the management of the acute respiratory distress patient. You don't have to wait until they are in respiratory failure to assist the ventilations. This session will review the A&P of heart failure and asthma, focusing upon the signs and symptoms within the respiratory system. Then we will get hands-on with airway management equipment to practice techniques to assure a good seal with BVM, application of CPAP for BLS providers, review of nebulizers and medication administration.

Instructor: David E. Weand

Limited to: 30

BLS-303 BLS Academy - Airway Management

BLS 11 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

This is the third class in the BLS Academy. This course will award 1.5 hours required for Airway, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017, and 0.5 Hours of Category 2. The participants will review the anatomy and physiology of the airway, the assessment and management of airway and breathing compromise, and oxygenation and ventilation.

Instructor: Brad Fields

8:00 AM - 9:00 AM

ARV-208 Airways and Airway Adjuncts for EMS Providers

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

The variety of devices for airway management, particularly supra-glottic airways, has grown over the last few

Friday Courses

8:00 AM - 9:00 AM

years. This presentation will cover several adjuncts for airway management, and the data regarding their use in the field, such as the King airways, the LMA, intubating LMA and LMA Supreme, the iGel, and others. Devices for videolaryngoscopy will also be addressed.

Instructor: George Lindbeck

CAR-409 A BLS Provider's Introduction to EKGs - I

BLS 12 / ALS CAT 2 / 1.0 CEU

Target Audience: BLS

The purpose of this class is to introduce BLS providers to the basics of EKG recognition and interpretation, and lay the foundation for more advanced EKG courses. The session will review; the basic cardiac anatomy, physiology and electrophysiology, the basic components of the EKG, as well as a brief introduction to 12-lead EKGs.

Instructor: James O. Rucks

CAR-410 Just Chillin' - Therapeutic Hypothermia Pre- and Intra-Hospital Care

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Survival rates for an out-of-hospital cardiac arrest (OOHCA) vary widely. The care the patient receives during the arrest and after ROSC influences survival to hospital discharge. In this session, the participant will learn the science behind the benefits of initiating therapeutic hypothermia on OOHCA patients and the EMS provider's role in the process.

Instructor: Beth L. Torres

EDU-508 Are EMS Providers Truly Educated?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Learn what the expectations and thought processes are on education for the EMS providers of today. Is a formal education better for EMS? What standards are really in place for education in the public safety realm? Is an "education" worth the investment? Education can be a great benefit if implemented and required correctly, otherwise it could be the death of public safety.

Instructor: Shannon A. Daniel

HEA-606 Safety on a Shoestring Budget

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Dispatcher

Limited financial and human resource capabilities means the EMS industry must find ways to assist agencies in finding new

and creative ways to protect their most valuable resource, the workforce. This course will examine current no to low-cost initiatives many agencies can implement to develop their own "Culture of Safety."

Instructor: Bryan S. McRay

HEA-607 Help! My Partner's Crazy!

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

I know we all say it, do we really mean it? And what would we do if there really was a mental health issue? Would we be able to help, or would it drive us crazy too? We as a group of providers need to change our culture regarding mental health issues. This presentation will touch on some of the most common issues arising including suicide, depression, addiction and behavioral disorders that are facing EMS and first responders today.

Instructor: Corinne E. Flammer

LMGT-712 We've All Heard it...Do More With Less!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

With budgets always shrinking and recruitment and retention challenges, it is critical to system administrators to be able to do better with what they DON'T have. A tool in the administration toolbox has to be process evaluation and improvement. Defining and improving processes helps move systems away from the "we've always done it that way" to "Oh, that's why we do that!" This transition is important for all EMS systems to engage and understand. Several examples will be presented.

Instructor: Dennis Wood

MED-808 As Seen on TV - What the Commercials Don't Tell You About Those Medications

BLS 14 / ALS 20 / 1.0 CEU

Target Audience: All

Ever see those ads on TV for the newest drug that is going to make conditions all better? Sometimes they sound pretty good, which is their goal. Let's look at the fine print of what those meds actually do for the patient as well as some of the side effects that the ad doesn't share but we may have to treat.

Instructor: Rebecca Valentine

MED-809 Altered Mental Status in the Movies!

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Altered Mental Status (AMS) the Movies: Using television and movie clips, students will identify and differentiate between causes of AMS. Once identified, field treatments will be discussed. In addition, students will learn about the Triune Brain Theory (humans actually have three

brains that work as one) and how our knowledge of these brains could enhance treatment for our patients.

Instructor: Monique Dixon

MED-810 Shortness of Breath - Lung? Heart? Both! Not Sure?

BLS 14 / ALS 19 / 1.0 CEU

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

Shortness of Breath! Is it or isn't it? Heart? Lung? Both? Evaluation of cardiac and pulmonary function is often problematic and occasionally misleading. This will be a case-based presentation discussing the assessment process for patients presenting in respiratory distress.

Instructor: Vijay Subramaniam

OPE-907 Taking the Right STEPP Forward: Improving Teamwork and Communication Through TeamSTEPPS

BLS 15 / ALS 20 / 1.0 CEU

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

Communication issues have been cited as the most frequent root cause for medical error. With this in mind, how can we improve communication, improve teamwork and break down some of the hierarchical barriers that exist in healthcare? The TeamSTEPPS program is an evidence-based program developed by the Agency for Healthcare Research and Quality and the Department of Defense as a way to improve patient safety through teamwork and communication. In this introductory session, we will explore the TeamSTEPPS principles and how they can apply to the prehospital environment.

Instructor: Jeff Myers

OPE-908 Rural EMS - Cutting Edge Topics 2017

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

EMS is changing rapidly and those changes impact no group more than rural providers. These providers often care for critically ill or injured patients for an hour or more while transporting to even the most primary care center. This session will discuss cutting edge advances in emergency care that impact EMS providers and their care during these long out-of-hospital transports.

Instructor: Paul A. Phillips

PED-1015 The Big 12 Pediatric Causes of Death - Airway

BLS 14 / ALS 19 / 1.0 CEU

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

The Big 12 Pediatric Causes of Death lecture series goes over the 12 major classifications of pediatric emergencies leading to death and disability. Divided

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into four separate one-hour lectures that can be taken separately or as a group, attendees have the chance to learn about pediatric emergency assessment, airway, circulatory and cardiac emergencies, through case studies and group discussions. The Airway lecture portion identifies the four major airway causes of death, including upper airway obstruction, lower airway obstruction, lung tissue disease and disordered control of breathing.

Instructor: William T. Engel

TRA-1213 Stopping Leaks Faster than Flex Seal - Modern Hemorrhage Control

BLS 13 / ALS 18 / 1.0 CEU

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

"The Easy Way to Coat, Seal and Stop Leaks Fast!" Modern hemorrhage control relies on old techniques and new technology. Just like the Flex Seal family of products, this lecture will discuss the evolution of BLS and ALS practices and where science and experience are leading us. Keep the red stuff in the vessel and off the floor, order now!

Instructor: Jeffrey D. Ferguson

TRA-1214 Geriatric Trauma: Grannies and Gravity Don't Mix

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Why are geriatric patients more affected by trauma? Special considerations should be taken with this rapidly growing segment of the population. We'll review the physiologic differences, comorbidities, and other issues affecting geriatric trauma. We'll discuss current evidence-based assessment and treatment guidelines for EMS providers, and how your agency can improve the patients' experiences. We'll offer case studies as examples of how geriatric-specific care principles can affect outcomes.

Instructor: Katherine M. Challis

9:30 AM - 12:00 PM

PED-1016 EMS' Onion: The Many Layers of Prevention in Pediatric Death

BLS 14 / ALS 19 / 2.0 CEU

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

Children die from preventable causes daily. EMS providers often see the end result of these tragic events. Much like an onion has many layers, many factors contribute to a child's death. If one or more of these factors are recognized, could

death be prevented? What causes these deaths? What resources are available for providers to assist families before tragedy occurs? Dr. Wendy Gunther and other representatives will discuss the most common reasons that children die and the resources that are available that may help prevent such an occurrence.

Instructor: Raymond E. Willet

9:30 AM - 11:00 AM

LMGT-713 Intoxicated Leadership: How to Avoid Leading Under the Influence of Your Emotions

BLS 15 / ALS 20 / 1.5 CEU

Target Audience: All

When conflict presents itself and employees spread rumors of their side of the story, leadership must avoid becoming emotional and lashing out. How do you avoid starting a conversation where physically the employee is sending clear signs that it is a bad idea? Participants will receive an awareness of emotional intelligence, and real world tips that can be applied immediately to assist leaders in having smarter conversations.

Instructor: Benjamin T. Martin

Limited to: 40

9:30 AM - 10:30 AM

ADM-102 Reality EMS - The Things Some People Will Do...

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Each day brings another twist to EMS agencies and EMS providers who, for whatever reason, fail to comply with the same EMS regulations you and I work with on a daily basis. This presentation will highlight those cases that stand out from the last several years to bring attention on "what not to do" for EMS agencies and providers alike.

Instructor: Michael D. Berg

ARV-209 Demystifying the Surgical Airway

BLS CAT 2 / ALS 16 / 1.0 CEU

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

While infrequent, an emergency cricothyrotomy is one of the most important life-saving interventions performed by prehospital clinicians. The cricothyrotomy is the most invasive rescue airway skill and is indicated when all other ventilation strategies are impossible or have failed. This presentation reviews three strategies for surgical cricothyrotomy: needle cricothyrotomy, seldinger cricothyrotomy and open cricothyrotomy. With an understanding of these options, this presentation lays out a systemic

approach for deciding to perform, and successfully executing, the cricothyrotomy process regardless of your approach.

Instructor: Kevin T. Collopy

CAR-411 A BLS Provider's Introduction to EKGs - II

BLS 12 / ALS CAT 2 / 1.0 CEU

Target Audience: BLS

This course builds on the information presented in "A BLS Provider's Introduction to EKGs - I". The material covered in part I will be reviewed briefly, and then rhythms such as AV blocks and junctional rhythms will be introduced. Students will also be introduced to indications of myocardial ischemia, injury and infarction that may be seen on an EKG.

Prerequisite: A BLS Provider's Introduction to EKGs - I

Instructor: James O. Rucks

EDU-509 Ferrari Simulation on a Gremlin Budget

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, Educators

You don't need a million dollar Sim Lab and a \$100,000 manikin to create phenomenal simulations. "High-fidelity" doesn't come from a manikin, but results from careful planning, creative use of your resources and an unfailing commitment to create scenarios that are as realistic as possible. This presentation will explore best practices and low-cost options for simulation and scenario-based training. We will outline the key factors that make scenarios realistic, discuss affordable tools that can assist our efforts and identify resources that most programs have within their grasp (and budget).

Instructor: Gary A. Heigel

EDU-510 Thinking Strategically - Developing a Plan to Improve Your EMS Program

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Businesses have long used the strategic planning process to involve all levels of the organization in planning for success. EMS education programs can use the same process to build a solid strategic plan to guide the improvement of the program over 1, 5, and even 10 years. In this class we will discuss the basic parts of a strategic plan and how to use one to engage your students, faculty, and stakeholders in setting (and obtaining) realistic goals for your program.

Instructor: Jason Ambrose

HEA-608 Do We Need Protocols to Treat Ourselves?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

EMS Providers do an excellent job of

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following protocols to assess and treat the patients they encounter. Should protocols be developed so that EMS providers can take better care of themselves? Why not? This presentation outlines some of the places where health and wellness “protocols” can identify where EMS providers can make better choices in regard to their own health and wellness, both on and off duty.

Instructor: Tim Perkins

HEA-609 I’m Not an Alcoholic, I Don’t Go to Meetings...Addiction in EMS

BLS 14 / ALS 19 / 1.0 CEU

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

Addiction is a growing problem in society. Personality, biology and environment all contribute to a person’s susceptibility to this terrible disease - one that destroys families, careers and lives. This presentation will cover the most common warning signs & coping mechanisms as well as present attendees the path to take should they or someone that they know in the service desires help.

Instructor: Corinne E. Flammer

LMGT-714 Strategies for Survival: How to Lead like Sun Tzu

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators

There was no greater leader and strategist than Chinese military general Sun Tzu. His seminal text, the Art of War, is considered a masterpiece of strategy that presents a philosophy for managing conflicts and winning battles. His book is especially relevant to today’s marketplace, where EMS is “under attack” and we need to develop strategy for survival like Sun-Tzu did. This session will review lessons and assist you in defining expectations of leadership as well as living up to your own personal leadership potential.

Instructor: Raphael M. Barishansky

LMGT-715 When Good Employees Do Bad Things

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS

In life, people make mistakes and bad things happen. It is no different in EMS. The question is how do we respond. In EMS, the knee-jerk reaction is to blame and punish the responder. “Just Culture” changes the way we examine human behavior and makes us look at the system. This program will examine the concepts defined in “Just Culture” and how they can be applied to an EMS system.

Instructor: Peter I. Dworsky

MED-811 I’ve Got No Defense

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This presentation provides insight into the world of autoimmune disorders. We will explore different conditions and discuss some the triggers. Are these conditions predetermined as part of a person’s DNA? We will discuss how the body creates these conditions that make us more susceptible to a host of illnesses and differentiate some signs and symptoms that make up the pieces in this complex puzzle.

Instructor: Rebecca Valentine

MED-812 All Shook Up

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

“A patient cannot be conscious during a seizure,” “All seizures present with tonic-clonic activity,” “No seizure patient can remember.” Sound familiar? There are many misconceptions regarding seizures, and truth is we often don’t see the seizure, but rely on history we’re given. This can lead to unrecognized seizures and mistreatment of the patient. In this session we’ll discuss common causes and types of seizures that may be encountered in EMS, and presentation and treatment. By the end of the session you’ll have a new appreciation and understanding of the seizure patient.

Instructor: Robert Vroman

MED-813 Unusual Stroke Presentations

BLS 12 / ALS 17 / 1.0 CEU

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

The sudden onset of a focal neurologic deficit with a common presentation - such as hemiparesis, facial weakness and aphasia - identifies a common syndrome of acute stroke. But what if the patient presentation isn’t that cut and dry? Differential diagnostic problems remain because there are several subtypes of stroke and also because some non-vascular disorders may have clinical pictures that appear identical to strokes. This presentation will address these “mimics” as well as other considerations during your assessment of this patient who “didn’t read the textbook.”

Instructor: Christopher D. Ebright

OPE-909 Residential Clandestine Drug Labs and the Risk Posed to First Responders

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS

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-910 Can You Hear Me Now

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

This is an interactive lecture about improving communication. How to effectively communicate patient information via COR and Hear Radio? What do we really need to know, want and hear? Understand why a physician may or may not divert you to another facility. All this is based on how patient assessment is communicated to the physician or ED.

Instructor: Eleanor Erwin

PED-1017 The Big 12 Pediatric Causes of Death - Assessment

BLS 14 / ALS 19 / 1.0 CEU

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

The Big 12 Pediatric Causes of Death lecture series goes over the 12 major classifications of pediatric emergencies leading to death and disability. Divided into four separate one-hour lectures that can be taken separately or as a group, participants have the chance to learn about pediatric emergency assessment, airway, circulatory and cardiac emergencies through case studies and group discussions. In the Assessment lecture of this series, a general overview and framework for pediatric assessment will be discussed and implemented into the other lectures of the series.

Instructor: William T. Engel

TRA-1215 Hanging out - Treating the Suspension Trauma Injured Patient

BLS 13 / ALS 18 / 1.0 CEU

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

Treating a patient with suspension trauma (i.e., “harness-hang”) is a high-risk, low-frequency event that few field providers are prepared for. Workers who fall wearing a fall-arresting harness will survive the event, but then may quickly succumb to the physiological effects of being suspended in mid-air. Join us as we delve into the technical rescue environment and understand the mechanism of suspension trauma and how to keep the victim alive until they can be rescued. The treatment is typically simple, but must be quickly applied in order to make a difference.

Instructor: John E. Burruss

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TRA-1216 Tales From the Crypt II: Celebrity Edition

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

We see it all the time; celebrities dying unexpectedly of a multitude of causes. While these deaths are tragic and receive media attention, there is another part of the story the layperson may not consider: the pathophysiologic cause of death! This course will use actual autopsies of celebrities to look deeper into what lead to their death to give participants a better understanding of similar cases they see in the field.

Instructor: Jason Ferguson

10:30 AM - 1:30 PM

BLS-304 BLS Academy - Operations 1

BLS 15 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

This is the fourth class in the BLS Academy. This course will satisfy 3 of the 5 hours required for Operations, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.

Instructor: Justin L. Miles

11:00 AM - 12:00 PM

ARV-210 Implementing a Time-Out Checklist For RSI and Intubation

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
Recently, our team sought a method to improve our RSI success rates. Understanding that the Joint Commission requires hospitals to take a time out before high risk interventions, the same approach was taken for RSI. Our program's 10 question peer-to-peer challenge and response time-out checklist was implemented in the fall of 2014. Join a discussion on how to develop an equipment and team readiness checklist before performing RSI and discover how this 30-second check has forever changed and improved airway management within our system.

Instructor: Kevin T. Collopy

CAR-412 Cardiac Arrest - What You Should (and Shouldn't) Do for Your Patients

BLS 12 / ALS 17 / 1.0 CEU

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

We will discuss the most appropriate approach to cardiac arrest management. In this talk, we will challenge the standard

approach and highlight current evidence that suggests alternative approaches are likely more beneficial. We will discuss the initial lay provider approach, followed by BLS and ALS responder interventions, and finish with post-resuscitation care.

Instructor: William Brady

CAR-413 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 acute myocardial infarction. This presentation explains the causes, pathophysiology and mechanics behind the development of cardiogenic shock, as well as how to assess, diagnose and treat these patients with basic and advanced procedures in the prehospital setting.

Instructor: Christopher D. Ebright

EDU-511 You Call, We Haul! EMS Education Goes Mobile

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

In this session, we will explore best practices of simulation in mobile formats. This presentation will share the benefits of mobile simulation, including cost savings, sharing resources, multi-site organizations, regional collaboration, interprofessional education and real estate conservation. Many organizations build simulation labs inside facilities, but are limited to the facilities availability. Mobile technology allows the world to be your simulation lab. We'll show you how to do it effectively and cheaply (sort of!)

Instructor: Daniel W. Linkins

EDU-512 Less Talk, More Walk!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

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, Co-Instructor: Donna Speakes

EDU-513 Shadowing Wings: So You Want to Be a Preceptor?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

Being a preceptor for BLS/ALS folks can be a rewarding challenge. Do you think you have what it takes to pass critical information on? Are you able to re-phrase and break complex situations down for someone who does not understand? Are you willing on giving up some of your procedures and skills to another person? If so, this may be the class for you. I offer some insight to help you along your journey for confidence as a preceptor that can make you and your students experience meaningful.

Instructor: Dean S. Thompson

HEA-610 Towel Origami - Bringing Back Compassion to the Burned out Provider

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Provider burnout and compassion fatigue are common causes of complacency in patient care. This interactive lecture will help providers discover a renewed passion for patient care and rediscover yourself in the life of EMS. We will discuss tactics that will show your patient that you care more than just showing up and offering a ride. Create a new energy for yourself to go beyond in little ways that transform bad situations into patient and provider saving events.

Student Requirement: Bring two towels/student to practice towel origami animal.

Instructor: Ray T. Mallory

HEA-611 Hear Their Stories- Dealing with Post-Traumatic Stress as a First Responder

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

First responders are heroes in their own right, but we have to remember they are also human. Learn how to understand signs and symptoms of post-traumatic stress, and what we can do as a culture to help those suffering with this silent killer. Understanding and support starts from the top down. Come and listen to stories of your fellow first responders and things they have done to combat their struggle with post-traumatic stress.

Instructor: Shannon A. Daniel

LMGT-716 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

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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

LMGT-717 Cameras in Ambulances: What EMS Should Know Before Recording

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

There has been a lot of discussion lately about the use of audio and/or video recording for EMS calls. Cameras used at the scene and in the ambulance can help improve scene safety, provide real-time documentation and be used for quality improvement. But there are ethical, privacy and legal considerations which must be addressed before putting cameras on EMS personnel and vehicles. This dynamic session by an experienced EMS attorney will address the legal and ethical issues of the balance between patient privacy and EMS operations.

Instructor: Allison J. Bloom

MED-814 The Big 8: Understanding Food Allergies

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Due to the increasing prevalence of food allergies, precautions have been taken in throughout our community to reduce the risk of potential exposure to these allergens. Although, a group of eight major allergenic foods cause 90% of all food allergies, other food allergens are on the rise. Many are exposed due to confusing food labeling, defiance of medical advice or simple contamination of food preparation space. More aggressive treatment plans have been initiated for patients in order to control the spiraling effects of anaphylaxis.

Instructor: Valerie A. Quick

MED-815 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 bath salts, opiates, 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-816 Rhabdo--Who? Rhabdomyolitis - Causes and Management

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

Rhabdomyolitis occurs as the death of muscle fibers release their content into the blood stream which may lead to kidney failure. Crush and compression injuries often lead to Rhabdomyolitis. This presentation discusses specific injuries that may cause this syndrome and how EMS can aid in the prevention of kidney failure and improve patient outcomes.

Instructor: Jules K. Scadden

MED-817 Exotic Infectious Diseases for EMS Providers

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This presentation will review several of the more unusual infectious diseases that EMS providers may hear about or come into contact with. Includes diseases such as Ebola virus disease, Zika virus, Dengue fever, Chikungunya, Hantavirus, Plague, SARS, West Nile, mosquito borne encephalitis viruses, smallpox and anthrax. Several of these diseases have been in the headlines recently; some also have been considered to represent risks for bioterrorism.

Instructor: George Lindbeck

OPE-911 Is there a Doctor on the Plane?

BLS 14 / ALS 19 / 1.0 CEU

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

EMS providers feel at home in austere environments, but when someone gets sick at 30,000 feet, they face a whole new set of challenges. Rarely do they treat patients so far outside their comfort zone, and with such long "transport times." Learn what emergencies are most often seen during commercial flights, what medical resources are available, and how to answer the question: "Do we need to land this plane immediately?"

Instructor: Michael Gerber

OPE-912 Crew Resource Management for EMS

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS

Ever wonder why some EMS agencies have high CPR survival rates or minimal collision rates or some managers are able to effectively control chaotic situations? They have elected to adopt the concepts behind Crew Resource Management. CRM is a leadership tool that is used to improve team performance and reduce the effects of human error. This presentation will

focus on the skills and techniques used to enable EMS teams to utilize all available resources to promote an optimal outcome for patients and operations.

Instructor: Peter I. Dworsky

PED-1018 Pediatric Poisoning: When Kids Really Get Into Trouble

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Poisoning is one of the most common causes of injury in children. Most children ingest substances available within their reach, including medications, household chemicals and other dangers found in most homes. This presentation will review substances that are timely and have potential to cause the most damage - even death. Topics will be presented and discussed based on real poison center cases, with emphasis on prevention and emergency care.

Instructor: Rutherford Rose

PED-1019 Human Trafficking of Minors in the US: The Epidemic and What Can You Do About It?

BLS 15 / ALS 20 / 1.0 CEU

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

Child trafficking in the United States is a pervasive practice that is affecting youth in every state. Traffickers are finding their victims at locations where youth frequently are, including schools and social media. Statistics indicate that vast majority of victims are U.S. citizens, with over half being girls and boys under age 18. The purpose of this lecture is to describe the face of trafficking and the regional characteristics of victims so that providers can recognize the victims. Intervention guidelines will be also be discussed in terms of reporting.

Instructor: Robin Foster

TRA-1217 What Were You Thinking?

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

All too often we get tunnel vision and miss the signs and symptoms we are trained to find. On a regular basis we all wonder "What Were You Thinking" and want to ask the patient. What is critical thinking and how can I use it to better my patient outcomes? Grab your TOP HAT and join Kirk for a session filled with videos and case histories to help improve your critical thinking skills and look at, What Were They Thinking?

Instructor: Kirk E. Mittelman

TRA-1218 Thunderstruck!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

The incidence of lightning strikes and electrocutions will be reviewed and

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the management of the patient with an electrical injury. Patient care perils from the scene to the trauma ICU will also be discussed along with the newest approach to the management of burn and electrocution injuries and how these changes affect outcomes.

Instructor: Travis L. Karicofe

TRA-1219 Just a Dish on a Tablecloth

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

How are patients involved in MVC's like dishes on a tablecloth? Do laws of physics and energy predict injury patterns? Is mechanism of injury a valuable assessment tool? Do you want to see really cool mechanism? For whatever reason you attend, you'll leave with a new appreciation of kinematics and mechanism of injury. In this energized session we'll explore laws of physics and their interrelationship with traumatic injury, the effects of the destructive forces of traumatic impact on body systems and discuss the questions surrounding its use in trauma assessment.

Instructor: Robert Vroman

1:30 PM - 5:30 PM

ADM-103 Now It's Your Turn to Write an EMS Grant

BLS CAT 2 / ALS CAT 2 / 4.0 CEU

Target Audience: All

This workshop will take the basics learned in the "See How Easy it is to Submit an EMS Grant" workshop and work with the participants to understand the basics of writing, reviewing, commenting and making recommendations on grant applications. Actual grant applications will be reviewed and the participants will provide suggestions based on the class guidance. Participants will work in groups to write an EMS grant application and receive input from the audience members. This is an excellent class for beginners and advanced grant writers.

Instructor: Amanda B. Davis

PRE-028 Tricks of the Trade for BLS Bandaging, Splinting and Assisting the Paramedic

BLS 13 / ALS 18 / 4.0 CEU

Target Audience: BLS

This class will go over the basics of bandaging and splinting through lecture and practical skill; along with learning techniques to assist the paramedic. During the practical you will learn little

tricks, which have been learned over many years of experience working in a fast moving area. There will be some scenarios where you will have to use some critical thinking. This class will allow you to better your basic skills.

Instructor: Daniel Frazier

Limited to: 24

1:30 PM - 4:30 PM

PRE-029 Airway and Resuscitation Lab

BLS CAT 2 / ALS 16 / 3.0 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. The 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. Students will have opportunities to get hands on with the latest technology.

Instructor: Allen Yee Co-Instructor: Dillard Ferguson

Limited to: 30

1:30 PM - 2:30 PM

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-414 Sudden Death in the Young Athlete

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Sudden, unexplained deaths, in athletes are more common than many EMS providers realize. These perfectly healthy (appearing) athletes have no idea they have a silent defect that will surface when least expected. Discussion will entail common conditions among young athletes that cause sudden death. Participants will be surprised when they learn about what other countries have done to protect and prevent their young athletes from this problem. Participants will take away many pieces of knowledge

from this program.

Instructor: Travis L. Karicofe

CAR-415 Different Strokes for Different Folks: 2017 Ways to Manage Cerebral Vascular Events

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

There are two distinct types of stroke patients EMS may encounter. Knowing how to manage these types of patients is essential to EMS care plans, protocols and providers. Dr. Fowler will discuss the 2017 ways to manage and care for cerebral vascular accidents, or what we know as, strokes. Please plan to share your current protocols and plans of care related to stroke care and stroke plans in this session.

Instructor: Raymond Fowler

EDU-514 Open Educational Resources - The Good, the Bad and the Ugly

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

With the cost of textbooks and other resources always on the rise, open educational resources (OERs) provide free alternatives that can often rival commercially available products. In this session, learn what OERs are, how they can be used and what the pros and cons are of adopting them for your next class.

Instructor: Jason Ambrose

EDU-515 This Ain't Yo Daddy's EMT Class Anymore

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

The content covered in EMT education has changed dramatically over the past decade. The days of the K.E.D and backboards being staple treatments provided by EMTs have been replaced with CPAP, Capnography and a host of other treatments once considered only for ALS providers. Technology has allowed field treatment options to evolve exponentially over recent years. EMTs are being trained as medical professionals and things are not so basic anymore. This course will look at current treatments being employed by EMTs and others that might be on the horizon.

Instructor: Jason Ferguson

HEA-612 Driving the AIC Up The Wall

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

Understanding the mechanics and physiology of driving and the effect upon the crew is important. 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

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1:30 PM - 2:30 PM

by experience that should be shared and this class gives ideas and points to think about as a crew on the effects of driving - in a fun and exciting way. This is not your typical driver education class, it involves the entire crew!

Instructor: Dean S. Thompson

HEA-613 Sink or Swim? Understanding and Creating Resiliency in Your EMS Agency

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

What keeps some people in emergency services longer than others? Is there any way to predict longevity and success in this complicated field? Can we train providers to last? What behaviors do we really need to cultivate in the next generation of providers? Answer these questions and more as we explore together the concept of resiliency and how it can improve our work place, quality of care and lives.

Instructor: Corinne E. Flammer

HEA-614 Responder Rehab...Not Just a Coffee Wagon

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS

It is a known issue that responders often fall ill and even die shortly after emergency responses. It is of utmost importance that we do a rehabilitation process on those personnel after we have put them in a stressful environment, be it emergency response or training. NFPA 1584 describes a model process that should be executed in any of those cases. Leadership should gain an understanding of how and when to execute this process. Individual providers must understand how to complete the rehab process on their fellow responders.

Instructor: Dennis Wood

LMGT-718 Courageous Coaches: Creating a Winning Team

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Leaders must develop awareness and leadership skills which promote employee satisfaction and retention. Successful transformational leaders learn how to recruit (hire) and coach staff as unique members of their team. This session is for the leader who wants to become a courageous coach. Participants will learn about characteristics and competencies leaders need to develop in order to create a winning team--on the field and in the workplace.

Instructor: Beth L. Torres

LMGT-719 Too Small for a Bailout, Too Important to Fail: Developing and Implementing a Legal and Regulatory Compliance Program

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS
Corporate compliance programs are now required for any health care provider that bill Medicare and Medicaid. This informative session will cover the essential elements of a legal and regulatory compliance program, why you need to have one, and how to establish a robust program in a small, to medium-sized EMS agency which will withstand the scrutiny of federal and state agencies and help to mitigate damages in the event of a legal or regulatory violation.

Instructor: Allison J. Bloom

LMGT-720 Drones and Smartphones - Exploring Mobile Health Care Technologies of the Future

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Drones, Tricorders and Smartphones: The future of mobile healthcare and EMS technologies revealed! This presentation will take a look at some of the technologies being tested and used around the world to make health care better, faster and cheaper. We will look at the new concepts of using social media, smartphones, drones and other technologies on the cutting edge of medical science. This technology puts diagnosis literally at the patient's fingertips. Will today's paramedics be ready to encounter this technology and provide treatment based on the information obtained?

Instructor: Daniel W. Linkins

MED-818 Not Remotely Evidence-Based Medicine - Hollywood Entertainment Blunders of Medicine

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Have you ever been frustrated while watching the "medical professionals" run a code on TV or in a movie? We will discuss ridiculous scenarios and then as a group, rework those scenarios to better treat the patient in a way that might actually be correct medical practice. Join the fun.

Instructor: Rebecca Valentine

MED-819 Time is Ticking! Recognizing and Managing Severe Sepsis

BLS 14 / ALS 19 / 1.0 CEU

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

Sepsis is a leading cause of hospital morbidity and mortality and is a publicly reported quality measure. Early recognition and management of severe sepsis is directly linked to reduced mortality. This presentation discusses

how transport teams can use SIRS criteria, qSOFA and diagnostic lab testing to confirm suspected severe sepsis and initiate the definitive care treatment for this life threatening emergency. After exploring the progression from local infection to septic shock, we will explore how transport teams can go beyond recognition and initiate definitive sepsis care before hospital arrival.

Instructor: Kevin T. Collopy

MED-820 Bugs in Your Rig: Infection Control Issues for EMS

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Whooping cough, measles, mumps, chickenpox...what do they all have in common? They are all making a comeback! EMS has an important role in public health including prevention, recognition and treatment of potentially life threatening conditions. Not properly taking steps to reduce transmission may have implications in liability and reimbursement. According to current research, EMS agencies are far behind in addressing infection control, including substandard cleaning procedures for ambulances and shared equipment. Learn how to protect yourself and others from highly communicable disease threats.

Instructor: Valerie A. Quick

OPE-913 Drone Use: Practicality in Public Safety

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Unmanned Aerial Vehicles (UAV) and small Unmanned Aerial Systems (sUAS), aka "Drones" are the newest trend setting phenomena for public safety. However, what is the practicality of utilizing this resource. This presentation will discuss the practicality of a UAV program, discuss the current law's and mandates directed from the FAA, and provide answer questions for your own UAV/sUAS program.

Instructor: Curtis F. Marshall

OPE-914 Emergency Management for EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

Emergency management is the function charged with creating the framework within which communities reduce vulnerability to hazards and cope with disasters. Do you know how EMS fits into the four phases? Preparedness, Mitigation, Response and Recovery? This session will focus on the interaction between EMS and Emergency Management and describe the EMS functions during the development of regional Emergency operations.

Instructor: Peter I. Dworsky

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1:30 PM - 2:30 PM

PED-1020 The Recognition and Evaluation of Child Physical Abuse

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

The lecture will discuss the epidemiology of child abuse and neglect in the state of Virginia. Common patterns of abuse and neglect will be discussed including how to recognize accidental vs non-accidental injuries. Initial stabilization and management of this patient population will be reviewed. Current Virginia code regarding reporting and how the DSS system works once that report is made will be reviewed as well.

Instructor: Robin Foster

PED-1021 Prehospital Care of the Medically Complex Child

BLS 14 / ALS 19 / 1.0 CEU

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

During this session we will discuss the most common devices and hardware that pediatric patients can go home with and that the EMS provider will encounter when called to the scene. We will discuss tracheostomy tube malfunction presenting with respiratory distress, gastrostomy tubes, children with congenital heart disease who present with respiratory distress and hypoxia. This will be a case-based interactive session with hands-on demonstration of hardware.

Instructor: Aline Baghdassarian

PED-1022 Pediatric Infectious Disease Emergencies

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

This lecture presentation will provide an overview of the most life-threatening infections encountered in pediatric medicine. This will include background on the etiologic organisms, clinical presentations (descriptions of symptoms and images of physician exam findings where pertinent, suggestive laboratory findings), methods of diagnosis, and treatment (empiric and definitive). Differential diagnostic considerations for these diagnoses will be included.

Instructor: Beth C. Marshall

TRA-1220 EZ-IO and the Proximal Humerus Advantage

BLS CAT 2 / ALS 18 / 1.0 CEU

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

Teleflex Inc. presents this hands-on classroom session for EZ-IO. Obtaining

vascular access in the prehospital environment is a primary concern. Fluid or medication instilled in the intraosseous space gains access to central circulation rapidly. This course provides education on land marking, insertion and identifying key components in delivering fluids and medications via the proximal humerus intraosseous route.

Instructor: Teleflex Faculty

Limited to: 50

TRA-1221 Blown to Kingdom Come!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, RNs

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

Instructor: Christopher D. Ebright

TRA-1222 Traumatic Brain Injury

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This presentation will review normal brain anatomy and physiology as well as the biomechanics and physiology of brain injury. The discussion will range from mild brain injury and concussion through severe brain injury, hemorrhage and penetrating brain injury. Particular attention will be given to prehospital patient assessment and management, including airway and management of ventilation and oxygenation.

Instructor: George Lindbeck

2:30 PM - 5:30 PM

BLS-305 BLS Academy - Cardiovascular Part 2

BLS 12 / ALS CAT 2 / 3.0 CEU

Target Audience: BLS

This is the fifth 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: Brad Fields

3:00 PM - 5:00 PM

ARV-212 Mechanical Ventilation - Pig Lung Lab

BLS 11 / ALS 16 / 2.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
Does Mechanical Ventilation make your mouth water? Do you enjoy a good BBQ?

Well you can have both! This lab utilizes pig lungs to demonstrate the effects of the different modes and styles of ventilation on the lung. This lab will give you a whole new perspective on vent management and how it is more than just blowing air in and out. Get the chance to be hands-on with a ventilator and see how the changes you make affect us on the inside, not just the outside!

Student requirement: Students may bring their own eye protection. It's not necessary, but it's suggested if preferred.

Instructor: Bryan G. Selvage Co-Instructor: Sarah Burton

Limited to: 15

MED-821 Advanced Assessment Skills: You Can Do What With Your Fingers?

BLS CAT 2 / ALS 19 / 2.0 CEU

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

Whether you are a poppin' fresh provider or a crusty and dusty paramedic, you always have extra room for new ideas and streamlined skills. I will try to bring to you some tried and true ideas to help get in touch with your patient. Touch - being the key word. Find yourself losing touch due to machines? Allow me to entertain you for a bit and see how we can become a more in-touch provider with the patient with such things like, ECG in your fingertips, etc.

Instructor: Dean S. Thompson

3:00 PM - 4:00 PM

ARV-213 Preparing and Planning for the Lost Advanced Airway

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
EMS Does a fantastic job of placing advanced airways. Both endotracheal tubes and blind-insertion airway devices are successfully placed daily. Don't put away that laryngoscope blade just yet! All advanced airways risk dislodgement, and failing to recognize dislodgement, can lead to serious morbidity ranging from anoxic brain injury, to death! This presentation presents best practices to prevent airway dislodgement, lost airway recognition and five strategies for rapid and effective emergency airway intervention. Come join in on an in depth and thought-provoking conversation about preventing airway disaster!

Instructor: Kevin T. Collopy

CAR-416 The ECG for the EMS Provider -- Challenging Case Presentations

BLS CAT 2 / ALS 17 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
This lecture will address challenging ECG presentations for the EMS providers, focusing on both ACS and non-ACS presentations.

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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

CAR-417 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

CAR-418 Improving Door-to-Needle Time in Ischemic Stroke

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

EMS providers are the very first line of care for patients of ischemic stroke. As such, improving the door-to-needle times for care of these strokes is very important to patient outcomes. This session will feature Dr. Ray Fowler who will discuss and cover information related to ischemic strokes and the care EMS providers may give. Data and information on stroke care will also be provided.

Instructor: Raymond Fowler

EDU-516 Best Practices in Continuing Education

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

All EMS Providers are required to complete continuing education (CE) hours. The spectrum of available topics and presentation formats is broad. This interactive lecture is designed to detail existing CE programs and highlight best practices in the presentation and delivery of CE to our nation's EMS Providers. The best practices in CE model was developed by the Commission on Accreditation for Prehospital Continuing Education with

representatives from NAEMT, NREMT, NAEMSP, ACEP, AHA, NASEMSO, ACOEP and NAEMSE.

Instructor: Jay M. Scott

EDU-517 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-615 Personal Fitness for the EMS Provider

BLS 15 / ALS 20 / 1.0 CEU

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

Caring for sick and injured patients in the prehospital environment is a physically demanding job. Not only are the situations unpredictable, but the periods of inactivity along with intermittent bursts of strenuous activity are what can produce stress on our bodies. Body mechanics, strength and mobility are impacted by the inherent nature of EMS. In this interactive session, we will discuss the impact our job can have on the body and develop strategies to reduce risk for injury, and promote strength and mobility.

Instructor: Jeff Myers

HEA-616 Behavioral Issues and the Legal Ramifications UPDATED

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

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 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

LMGT-721 It's All About the Message: Seven Rules of Communication for Leaders

BLS 15 / ALS 20 / 1.0 CEU

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

Managing an EMS agency is hard enough: hiring, staff, HR issues, billing, etc. Often, there's not enough time in the day to do it all, and one of the first things to go is communication. So it's no surprise that employees in most organizations cite communication as an area in desperate need of improvement. In this session, you'll learn specific, easy-to-adopt strategies to help you improve communication with your employees, your peers and local stakeholders.

Instructor: Michael Gerber

LMGT-722 Tribal Leadership - Leveraging Natural Groups to Build a Thriving Organization

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Every organization is composed of tribes - naturally occurring groups of between 20 to 150 people. Until now, only a few leaders could identify and develop their tribes, and those rare individuals were rewarded with loyalty, productivity and industry-changing innovation. Tribal Leadership shows leaders how to assess, identify and upgrade their tribes' cultures, one stage at a time. The result is an organization that can thrive in any economy.

Instructor: Robert J. Galvin

MED-822 How to be House

BLS 14 / ALS 19 / 1.0 CEU

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

How can we use what we already know to diagnose someone without even touching them? We're going to go over the things we see in the field and learned in the classroom to create an Advanced General Impression. We will be learning how to use visual cues to improve field diagnosis.

Instructor: Caitlin C. Neill

MED-823 "Just a Spoonful of Medicine" Medical Emergencies

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

Your patient complains of abdominal pain "all over my body, into my back, up my neck, into my head!" What is causing the pain? Many medical emergencies are mysteries waiting to be solved, or at least differentiated. This presentation discusses the assessment of the medical patient, how to differentiate a field diagnosis and provide the most appropriate medical

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treatments through discussion and scenario practice.

Instructor: Jules K. Scadden

MED-824 Stroke Assessment for EMS Providers

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This presentation will discuss several of the most common constellations of stroke symptoms and stroke syndromes. Currently available prehospital stroke assessment scales will be discussed; particularly some of the new assessment tools that have been validated in the field and can help providers to identify those patients with large vessel obstructions (LVO's) that could be candidates for interventional stroke therapy.

Instructor: George Lindbeck

OPE-915 How to Write a Clinical Narrative That Will Cover Your Butt (Legally Speaking, That Is)

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

It seems the art and skill of writing a good clinical narrative has fallen by the wayside recently. In this digital age, we look for the easy way around writing Patient Care Reports. This session, led by a nationally-known EMS lawyer who spent years in the field, will demonstrate why a clinical narrative is still, and always will be, the effective centerpiece of a good PCR. This session will present a winning strategy for writing well-organized and chronological narratives, using the DRAATT format developed by the EMS attorneys of PWW.

Instructor: Douglas Wolfberg

OPE-916 Keeping the NIGHTWATCH in New Orleans EMS with Dan Flynn

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Dan Flynn was propelled to TV fame in the TV series "NIGHTWATCH" on A & E. The old saying "Nothing good happens after midnight" rings true in Nightwatch. The series follows emergency responders in New Orleans who work the busy, unpredictable 8 p.m. to 4 a.m. shift, battling time and circumstances while attempting to save lives. Responding to as many as a thousand calls a night are EMS providers who exhibit the skills, dedication and determination needed to properly serve the historic city. Dan will discuss his experiences!

Instructor: Dan Flynn

PED-1023 Systemic Anaphylaxis and Mimics in the Pediatric Patient

BLS 14 / ALS 19 / 1.0 CEU

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

During this session we will discuss the clinical presentation of pediatric anaphylaxis, the peculiarities of the presentation of anaphylaxis in infants and the mainstay of treatment for patients in anaphylaxis. We will also discuss some myths surrounding anaphylaxis in pediatric patients. This will be a case-based interactive session where participants will be encouraged to use audience response system. Discussion and participation will be encouraged.

Instructor: Aline Baghdassarian

PED-1024 Sick or Not So Sick- Recognition of Acute Distress Patterns in Children Version 1.1

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

Sick kids make for scary patients. Most providers are uncomfortable treating children because they lack experience and have difficulty discerning vitals to determine if the child is actually sick. The goal of this class is for students to gain a strong foothold in the assessments of pediatrics by learning to RAPIDLY recognize common illness and injury PATTERNS in children. Providers will see their confidence increase through the framing of acute moments with basic life interventions, an understanding of pediatric anatomy and lots of pictures and video.

Instructor: Benjamin T. Martin

Limited to: 40

TRA-1223 Squeeze Me? The Pressure Is On!

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

What is the interrelationship between compartment syndrome, crush injury and crush syndrome? When should they be suspected and how do they present? How do they occur spontaneously? What are the dangers associated with not recognizing these conditions? These questions and more regarding these often ignored conditions will be answered. Case reviews will be utilized to present medical and traumatic causes of these injuries, as well as home health care situations where they may occur. Treatment presentation will include both field and facility options from BLS treatment through surgical intervention.

Instructor: Robert Vroman

TRA-1224 Current Trends in Trauma Resuscitation and Defining the Acute Coagulopathy of Trauma-Shock

BLS 13 / ALS 18 / 1.0 CEU

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

Discuss current evidence-based practices in the resuscitation of trauma patients. This will cover ACOTs, resuscitation, permissive hypotension, massive transfusion, tranexamic acid, etc. We will also discuss lactate and its utility in resuscitation of hemorrhagic shock. This talk will help provide clarity to common misperceptions and allow for more patient tailored care.

Instructor: Levi D. Procter

4:30 PM - 5:30 PM

ARV-214 V, Q and You. A Simulation-Based Approach to End-Tidal Capnography

BLS 11 / ALS 16 / 1.0 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

CAR-419 Pathophysiology of CHF and Bronchospastic Disease

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS

Dr. Fowler will discuss the pathophysiology of CHF and bronchospastic disease. Providers will understand the disease process itself and what they can do as an EMS provider to care for patients who are experiencing such events. Respiratory clues and signals found in a proper patient assessment will help the EMS provider understand how to best care for these patients.

Instructor: Raymond Fowler

CAR-420 The Long and Short of It

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Cases keep coming forth of children and young adults going into sudden, unexplainable cardiac arrest. Commonly, there is an underlying non-diagnosis known as "long QT syndrome" - a congenital disorder characterized by a prolongation of the QT interval on electrocardiograms. This disturbance

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has a propensity to produce ventricular tachyarrhythmias, which may lead to syncope or cardiac arrest/sudden death 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 D. Ebright

EDU-518 Death of the PowerPoint? It's About Time!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

It's easy to talk about "flipping the classroom" but how do we break from our usual approach and change what happens in our classrooms? Classroom dynamics have been studied for decades, but how does that apply in EMS education? EMS instructors are experts in understanding what works with our students and this interactive session will tap into our collective experiences of what works to improve the performance of your students. You will learn cool tricks and techniques, and even a legitimate reason to throw things at your students!

Instructor: Gary A. Heigel

Limited to: 24

EDU-519 We are Leaving our Profession to Whom?

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Generation X is old news; be prepared because here come the millennials. Join Kirk as we discuss what you must do to motivate, supervise, teach and work with the next generation. Understanding how this generation is motivated and works in the world of Public Safety is integral to teaching and working side by side with them. During this session, we will discuss what perceptions and misconceptions you have about the next generation. Join Kirk for a humorous and entertaining look at our profession.

Instructor: Kirk E. Mittelman

HEA-617 Nutrition: Myths and Facts

BLS 15 / ALS 20 / 1.0 CEU

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

What we eat serves as fuel and building blocks for our body. Incorporating a well-balanced diet can be a challenge in EMS. Long shifts and lack of scheduled breaks can lead to poor dietary choices. Nutritional myths are prevalent and making healthy choices can be easier than you think. This interactive session covers nutritional myths, healthy food

choices and ways to optimize the EMS providers' diet.

Instructor: Jeff Myers

HEA-618 Psychological Capital: Finding Your "Hero Within"

BLS 15 / ALS 20 / 1.0 CEU

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

Conditions such as compassion fatigue, secondary traumatic stress, burnout and PTSD can result from the repeated exposure of working in the stressful environment of emergency medical services. What are the positive forces that keep providers on the job? Psychological capital is the term used to describe four elements of positive behaviors. These include hope, efficacy, resilience and optimism. These resources can be developed. Healthcare provider well-being is an issue of national and international concern. This course will explore these concepts and how they promote the emotional wellness of EMS providers.

Instructor: Kelley C. Rumsey

LMGT-723 The Art of Multiplication - How the Best Leaders Make Everyone Smarter

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Diminisher or Multiplier? One leader is a genius and the other leader is a genius maker. It isn't how much you know that matters. What matters is how much access you have to what other people know. It isn't just how intelligent your team members are; it is how much of that intelligence you can draw out and put to use. We have all experienced these two types of leaders. Ask yourself, what type of leader am I? Am I a genius, or am I a genius maker?

Instructor: Robert J. Galvin

LMGT-724 Creating a Rescue Task Force

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

After the tragedy of Columbine High School, law enforcement had to evolve their tactics to better serve the public. We in EMS need to recognize that our tactics have to evolve as well. This presentation will explain what a Rescue Task Force is, what it does and how it came into being. We will address the issues, concerns and problems that can be involved with creating a new resource for your agency and how other agencies have worked through them.

Instructor: Matthew Watson

MED-825 It's Coming - Are You and Your EMS Agency Ready for the Next Pandemic?

BLS CAT 2 / ALS CAT 2 / 1.5 CEU

Target Audience: All

The question isn't "if" but "when" the next society altering pandemic will occur. The H1N1 pandemic, as well as Zika, Ebola and SARS, left us with many affected patients and should have served as a wake-up call to EMS agencies across the US about the realities they will face in a pandemic situation. Significant absenteeism, altered treatment and/or transport protocols, as well as personal protective equipment needs are issues EMS will face. Lesson learned and realistic take home messages will be highlighted.

Instructor: Raphael M. Barishansky

MED-826 Emergency Childbirth

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Educators

This presentation will cover the assessment and management of the pregnant patient who is experiencing an eminent and emergent delivery in the prehospital setting, the inventory and use of the prehospital emergency childbirth kit and the standardized procedure for assisting in an eminent and emergency childbirth in the prehospital setting.

Instructor: John Todaro

MED-827 What's the Difference? -- Dementia vs. Delirium

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

There are an increasing number in emergency calls from seniors every year. The Baby Boomer numbers are rising. But how do you know if the person is cognitively intact or not? We will discuss basic information about the differences between dementia and delirium and how this could impact your effectiveness in providing treatment.

Instructor: Virginia Simmons

MED-828 The BLS of the Adult Respiratory System

BLS 11 / ALS CAT 2 / 1.0 CEU

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

The things that we've forgotten, or never really understood, about the respiratory system is exactly what we'll be discussing. Having a good basic understanding of the adult respiratory system can improve your ALS treatments. We will be discussing the metaphorical "head-to-toe" of the respiratory system.

Instructor: Caitlin C. Neill

Friday Courses

4:30 PM - 5:30 PM

OPE-917 Lights, Sirens and Liability: Why the Sacred Cows on Top of Your Ambulance Are Dangerous

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Using red lights and sirens (RLS) in EMS is second nature. But they create danger and liability for EMS providers and agencies. This session led by one of the nation's best known EMS lawyers who spent years working the front lines in EMS, looks at the evidence and what it says about RLS use. RLS use multiplies risks for crews, patients and others, and doesn't make a difference in outcomes for most patients. This session will provide practical solutions on how to improve EMS safety by getting smart about RLS.

Instructor: Douglas Wolfberg

OPE-918 Recognizing and Reporting Incidents of Human Trafficking for EMS Responders

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS

Human trafficking is a real and growing problem in our country today. According to the latest data given by the Polaris Project, (an NGO that runs the main reporting tip line in the US), Virginia is number six in the nation for human trafficking reports. It happens in big cities and small towns. This program will help responders understand what human trafficking is and what the physical and environmental signs are. It also will provide resources for reporting potential incidents of trafficking and help develop response protocols.

Instructor: Michael Lynn

PED-1025 Upper Airway Obstruction in Children: Update on Evaluation and Management

BLS 11 / ALS 16 / 1.0 CEU

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

Upper airway obstruction in children is a common problem with variable degree of severity. Medical providers must be able to recognize the importance of a secure airway and be able to diagnose and treat various conditions related to upper airway obstruction. In this session, participants will appreciate the anatomic and physiologic differences of upper airway in children and adults and learn the evaluation and management options for various examples of upper airway obstruction.

Instructor: Clifton C. Lee

PED-1026 Shock Your Little World: Pediatric Shock Cases

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Shock is the leading cause of morbidity and mortality in pediatrics worldwide. Although shock can be devastating, it is the most reversible cause of death in children. Quick assessment and treatment to restore perfusion is key. Each case will walk you through assessing children, applying differential diagnoses and treating quickly and appropriately.

Instructor: Valerie A. Quick

TRA-1225 Making Sense of Homeostasis Directed Trauma Resuscitation

BLS 13 / ALS 18 / 1.0 CEU

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

Hello! My name is trauma, I am responsible for over 5 million deaths yearly. More people die from me than cancer. Historically, mass infusions were the resuscitation approach. Not so much anymore as we now understand the lethal triad in trauma. The body's physiologic response to injury often results in acidosis, hypothermia and together coagulopathy. This triad is a vicious cycle 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-1226 The Day Humpty Dumpty Fell

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

We all know the nursery rhyme, but what really happened when Humpty hit his head? What kinds of traumatic brain injuries are possible? How do they present differently? We will review the various injuries that Humpty may have suffered, both immediately and those for which he may have sought help from EMS months after the fall. Patient presentation, assessment and management of the different injuries will be explored.

Instructor: Robert Vroman

Saturday Courses

8:00 AM - 5:30 PM

PRE-030 Strategic EMS Response to Violent Emergencies - S.E.R.V.E. (Rescue Task Force)

BLS 15 / ALS 20 / 8.0 CEU

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

This course is designed to train Emergency Medical Service personnel in how to respond to an active shooter/workplace violence incident with law enforcement

and will cover the trends in active shooter incidents and what first responders can expect. The course also offers suggestions on policies for dealing with a school/workplace violence incident. The team concept is stressed in this course. Students will learn officer rescue techniques and tactical first aid. Other topics include: Lessons Learned, Rescue Task Force Tactics with Law Enforcement, and Tactical Emergency Casualty Care.

Student Requirement: Students should bring Active Shooter bags/gear if their agency has a response.

Instructor: Matthew Watson Co-Instructor: Shawn Divelbliss, Tom Sasso

Limited to: 16

8:00 AM - 11:30 AM

EDU-520 EMS Educator Update

BLS CAT 2 / ALS CAT 2 / 3.5 CEU

Target Audience: Educators

This session will discuss training and education issues, accreditation, quality assurance, administrative updates and current national issues affecting Virginia EMS education, presented by the Office of EMS and special guests. This program will fulfill the update requirement for Education Coordinators, ALS Coordinators and EOs. You do not need to register for symposium to attend this program.

Instructor: Gregory S. Neiman Co-Instructor: Deborah Akers, Peter Brown, Charles Faison, Warren Short

8:00 AM - 10:00 AM

BLS-306 BLS Academy - Trauma

BLS 13 / ALS CAT 2 / 2.0 CEU

Target Audience: BLS

This is the sixth class in the BLS Academy. This course will fulfill the 1.5 hours required for Trauma, Category 1/NCCR (2016) and give 0.5 hours of Category 2 under the new CE Requirements effective April 1, 2017.

Instructor: Justin L. Miles

MED-829 Wrinkles and Bruises - Understanding the Geriatric World

BLS 15 / ALS 20 / 2.0 CEU

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

We have all heard that pediatrics are not little adults, well the geriatric population is not exactly older adults. There are physiological and mental changes that occur which affect our handling, treatment and drug usage. Why do they do that? I will answer that! We will discuss the aging process and special handling considerations to include basic care, advanced care, special BLS and ALS techniques, restraints and looking out for the future of our geriatric population.

Instructor: Dean S. Thompson

Saturday Courses 8:00 AM - 9:00 AM

ARV-215 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

ARV-216 Anesthesia, Critical Care and Airway Management Topics in EMS

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs
EMS is the practice of medicine in the out-of-hospital environment. It is being performed by many levels of providers. As the rest of the world of medicine focuses on care for the ill and injured in the hospital, Emergency Medicine and EMS physicians are expanding the role of EMS providers. Learn how EMS can reduce morbidity and mortality in the street.

Instructor: Allen Yee

CAR-421 Stemming STEMI Mortality: How EMS Can Impact Death and Disability from Heart Attack

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Dr. Fowler is very in tune with STEMI care and the American Heart Association standards. This session will cover how EMS can impact death and disability associated with a heart attack, what care can be provided and suggestions on leading interventions that may affect outcomes. Dr. Fowler's intense love for all things EMS makes this a session not to miss in 2017!

Instructor: Raymond Fowler

EDU-521 So Surreal

BLS 15 / ALS 20 / 1.0 CEU

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

You walk into a room, you have sweat accumulate on your forehead. The smell of something burning your nose is overwhelming your senses. You're

surrounded by the noises of gurgling respiration's and a mother's scream permeating the room. You have an overwhelming feeling of planning and providing the best care to the severely ill patient/patient's. As you walk through a real-life scenario you will be faced with providing the best care under the most stressful situations. This will also guide EMS educators with tips and tricks for successful simulation training.

Instructor: Dianna S. Coffey Co-Instructor: Stephanie McKinney

HEA-619 A Gram of Laughter

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

We have all experienced riding along with our patient and laughing, and having them laugh along with us. Or, we have told stories that some have found to be inappropriate. We will discuss which of these situations are appropriate and when it would be a good time to tell a story and have a sense of humor around a patient. Learn how a sense of humor helps us heal from the things that we see in our work every day. Come and laugh a little.

Instructor: Daniel Frazier

LMGT-725 Leadership Lessons From the Presidents: What EMS Leaders Can Learn From the Five Boldest Presidential Decisions Ever Made

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Though we tend to get cynical or indifferent about politics and presidents, presidential leadership is leadership at its highest levels and there is much to learn from the examples they teach. Doug Wolfberg, nationally known EMS attorney, also a student of presidential history, will use five specific examples of the boldest decisions made by U.S. presidents, then impart lessons that current or future EMS leaders can take from those decisions. You'll learn some things you didn't know, all in the practical, no-nonsense and humorous style that Doug is known for.

Instructor: Douglas Wolfberg

MED-830 Differential Diagnosis in the Prehospital Setting

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: BLS, RNs

This presentation will discuss the concept of differential diagnosis in relation to how it can be utilized as part of the patient assessment process in the prehospital setting. Additionally, it will offer assessment tools that can support the differential diagnosis process such as the four r's, SAMPLE, the brain white board and the differential diagnosis vortex.

Instructor: John Todaro

MED-831 Hot or Cold: It's All Sepsis

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS

Septicemia, severe sepsis and septic shock are becoming increasingly common and can be acute life-threatening emergencies in patients of all ages and rapid interventions are integral to improving patient outcomes. This presentation focuses on identification and management priorities for patient who present with signs and symptoms consistent with sepsis including "cold" sepsis in infants and patient populations with high risk factors for SIRS, septicemia, severe sepsis and septic shock and the vital interventions that can be started in the prehospital settings

Instructor: Jules K. Scadden

MED-832 Pulmonary Arterial Hypertension: EMS Basics

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Present PAH pathophysiology, with goals to understand basic disease process. Understand the difference between left heart failure and isolated right heart failure. Introduce PAH therapy options including oral/inhaled and subq/IV advanced therapies. Review medications used for continuous infusions. Recommendations regarding pre-hospital care in emergencies and transport. Understand importance regarding recommendations in care of acute right heart failure. Learn basics about delivery devices of prostacyclin therapy that may be encountered during transport. Be aware of local PAH specialty center, and the role of experienced providers in this special population.

Instructor: Vanessa L. Knowles

MED-833 Walking in Their Shoes -- An Aging Sensitivity Training

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We have all heard the expression: "Getting old is for the birds". What does that mean? Let's take a look at some of the characteristics of getting older and the impact it has on a person. "Walk a mile" in their footsteps with this interactive training about aging in society, to better relate to the senior population you may encounter.

Instructor: Virginia Simmons

OPE-919 Infection Control for Community Paramedicine/MIH - Are You Ready?

BLS CAT 2 / ALS 19 / 1.0 CEU

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

As EMS advances into community paramedicine/MIH care there is a need

Saturday Courses **8:00 AM - 9:00 AM**

for education and training in home care practices which are very different than emergent care practices. This session will explore the need for infection control home care practices that need to be part of CP/MIH

Instructor: Katherine H. West

OPE-920 ALS Downgrades: Pitfalls and Tips from the QA and Provider Perspectives

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

An ever-increasing number of EMS systems deliver advanced life support using a combination of ALS non-transport apparatus and BLS transport units. At the same time, new dispatch protocols have changed our previous understanding of what constitutes an "ALS call." As a result, ALS providers are increasingly finding themselves in the position of "downgrading" patients from ALS dispatch to BLS transport. This course will discuss the potential pitfalls of "ALS downgrades" from both the QA and provider perspectives, including tips on how to avoid negative outcomes--for both patients and providers.

Instructor: Mario J. Weber Co-Instructor: Michael Gerber

OPE-921 The Big Easy EMS-New Orleans Paramedicine With Dan Flynn

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

I love what I do. Mainly, I love being the guy people look to for help. When all hell breaks loose, I like being the guy everyone looks for, or reaches out to. An older paramedic that trained me early in my career told me the famous quote, "To the world you are just one person, but to one person, you could be the world." This is how heavy of an impact Paramedics can have on a person's life. Listen to Dan speak about his life in EMS.

Instructor: Dan Flynn

PED-1027 The Big 12 Pediatric Causes of Death - Cardiac

BLS 12 / ALS 17 / 1.0 CEU

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

The Big 12 Pediatric Causes of Death lecture series goes over the 12 major classifications of pediatric emergencies leading to death and disability. Divided into four separate one-hour lectures that can be taken separately or as a group, attendees have the chance to learn about pediatric emergency assessment, airway, 38th Annual Virginia EMS Symposium

circulatory and cardiac emergencies through case studies and group discussions. The Cardiac portion of this lecture series focuses on the causes of and treatments for tachydysthrythmias, bradydysthrythmias, and pulseless arrest in pediatric patients.

Instructor: William T. Engel

TRA-1227 Circling the Drain, When Things Get Insane

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Trauma patients often receive remarkable care when providers find themselves in the most chaotic of situations. Taught in case-based format, this session will present several patient encounters from the aeromedical industry, where healthcare providers were faced with challenging patient care encounters that put their training to the test. Each case will focus on patient presentation and the treatment modality required for the complex patient care encounter. When all seems lost, proper patient care boils down to training how you are going to fight!

Instructor: Christopher Parker

Limited to: 100

TRA-1228 "What Else Could Possibly Go Wrong?" Air Medevac Case Reviews and Discussion

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, MD, DO, RNs

This lecture will be a review of recent, difficult MEDEVAC cases that presented unexpected or difficult patients. Instructors will encourage interactive discussion from the audience as they dissect each scenario. Cases will include both interfacility critical care transports and scene calls, ranging from intra-aortic balloon pumps to burns and multisystem trauma.

Instructor: Scott W. Davis

TRA-1229 The Smiling Death

BLS 13 / ALS 18 / 1.0 CEU

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

When responding to an entrapment situation, EMS should be prepared to manage a patient with crush syndrome. Having your patient die moments after being freed is a tragic end to a well-executed rescue. EMS providers, as part of these teams, can reduce the chances of this through recognition and proper pre-treatment prior to removal. Come listen to this presentation and find out how.

Instructor: Christopher D. Ebright

8:15 AM - 9:45 AM

MED-834 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

9:00 AM - 10:00 AM

ARV-217 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

9:15 AM - 10:45 AM

MED-835 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

Saturday Courses 9:30 AM - 11:30 AM

ARV-218 Pork 'N Beef 'N Lungs

BLS 11 / ALS 16 / 2.0 CEU

Target Audience: All

This airway class is full of hands-on opportunities for all EMS providers. From basic airway techniques to advanced care, everyone participates. Learn simple basic airway maneuvers to maintain airway patency. Students will learn advanced airway maneuvers including surgical airways, chest decompression, use of video laryngoscope for emergency intubation and the use of Magill forceps for removal of FBO. The ability to recognize an obstructed airway and how to manage the obstruction is paramount. Come join the fun!

Instructor: Bonnie Caplinger

Limited to: 30

CAR-422 STEMI Showdown - Retooled for the Beginner

BLS 12 / ALS 17 / 2.0 CEU

Target Audience: ALS, BLS, RNs

STEMI Showdown - Retooled for the Beginner. STEMI Showdown is popular at Symposium! Come find out what your peers have been talking about. This year we are breaking the session into twice as much fun (and learning). This dynamic program uses audience response technology to help you learn how to identify STEMI's in the field. Session 1 will focus on BLS and those interested in a refresher. BLS and ALS providers alike will benefit from this program. The guest instructor will be a doctor from the Virginia Heart Attack Coalition.

Instructor: John R. Dugan Co-Instructor: David Burt, Michael Kontos, Peter O'brien

9:30 AM - 10:30 AM

ARV-219 Mechanical Ventilators for EMS Providers

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, RNs

This presentation will review the pulmonary anatomy and normal physiology, the physiology of mechanical ventilation and respiratory failure. Students will learn how mechanical ventilators and positive pressure devices most frequently used by EMS providers work, including different modes of mechanical ventilation, and describe how to initiate and maintain/monitor mechanical ventilation in the prehospital setting.

Instructor: George Lindbeck

EDU-522 Making the Most of Your Learning Environment

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Anyone can stand in front of a classroom, but not everyone can teach. Engaging learners, particularly millennials, has led to a need to change how we deliver information to them. No longer are the days of using power point slides and reciting material to participants. This class is to equip you to have students who come and want to learn and better themselves. We will discuss tools and strategies that you can implement whether in an EMT class or providing CE's to your duty crew.

Instructor: Lisa Jamerson

HEA-620 Technology Down, Eyes Up

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS

Distracted driving is any activity that could divert a person's attention away from the primary task of driving. All distractions endanger driver, passenger and bystander safety. Public safety professionals are at an all time high for distracted driving with the advent of new technology. Realistic, best practices that make for a safe response will be presented.

Instructor: Adam Wojciehowski

HEA-621 Recognize and Help, Addiction in Public Safety

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We have all seen it, just too late! We may have a loved one who has the problem, but doesn't want to say anything. Ignoring it won't help, but saying something means we have a problem. Did you actually enable the addict by ignoring the issue? Public Safety has an obligation to take care of our own and not cast them aside. Join Kirk for a candid conversation about saving our profession from addiction through education and recognition. Don't ignore the problem, be part of the solution to beat addiction.

Instructor: Kirk E. Mittelman

HEA-622 Stay out of the Tunnel

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, 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 will cover some suggestions on not having tunnel vision, not only with your patient, but also to what is around you.

Instructor: Daniel Frazier

LMGT-726 The Five Best Ways to Get Sued - Case Studies on How to End up in Court (If That's Your Thing)

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

If you enjoy getting sued and spending time in court, this is your session! But you should also attend if you would rather NOT get sued, or you have anaphylactic reactions to court houses. Nationally-known EMS attorney and longtime EMS provider Doug Wolfberg will present actual court cases where EMS providers made bad decisions or took questionable actions that ended in legal hot water. Most importantly, this session will also include "lessons learned" on how to avoid legal landmines taken from the experiences that EMS providers in these cases endured.

Instructor: Douglas Wolfberg

LMGT-727 "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

LMGT-728 Why Discipline Is Not Always the Answer: A Need to Investigate Beyond What You See and Hear!

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Is it hard to distinguish between someone who makes a mistake and someone who has an attitude problem. Can you tell if erratic behavior is something new or is there a pattern that has gone unrecognized? Do your employee's learn, think, interact, communicate and express themselves in the same way? The answers to these questions are even more important today than ever before as a multi-generational work force collides internally with one another and externally with those who call 911.

Instructor: James D. Dillon

MED-836 Wheezes in Theezes; Signs That Tease Us

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

With limited patient history, and limited access to diagnostic testing,

Saturday Courses

9:30 AM - 10:30 AM

many healthcare providers struggle differentiating CHF from pneumonia, as it is often difficult to determine in the prehospital and emergency setting. This session will provide an in-depth look at the pathophysiology and assessment of both CHF and pneumonia in a case presentation format. Each case will also focus on the changing paradigm shift in treatment of both CHF and pneumonia.

Instructor: Christopher Parker

Limited to: 75

MED-837 Sample, OPQRST - WTF? How to Interview a Patient and Actually Get Useful Information

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

Ever feel like you are playing 20-Questions with your patients and not getting anywhere? ABC, OPQRST-ASPN, SAMPLE, AVPU, DCAP-BTLS and all the rest may work really well for playing Scrabble, but do they help you learn what's wrong with your patient? This presentation will provide tips and tactics for establishing rapport and conducting an effective EMS interview. We'll discuss the reasons behind our questions, various ways to approach uncomfortable topics and ways to stay focused on what you really need to know.

Instructor: Gary A. Heigel

MED-838 Complications of Pregnancy

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

This presentation will cover the pathophysiology and assessment of placenta previa, abruptio placenta, hypertensive disorders of pregnancy, uterine rupture, miscarriage/abortion and ectopic pregnancy in the prehospital setting. We will also discuss the treatment of placenta previa, abruptio placenta, hypertensive disorders of pregnancy, uterine rupture, miscarriage/abortion and ectopic pregnancy in the prehospital setting.

Instructor: John Todaro

☀️ OPE-922 Taking One S.I.P. At a Time: Developing a Community Plan for Serial Inebriates

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Dr. Raymond Fowler will present this session in a humorous and enlightening way, sharing the S.I.P. approach to developing a plan for your community and EMS agency on serial inebriates. As a medical director for Dallas, Texas Fire

Rescue, he has had his share of plans for these types of patients and what you as an EMS provider, agency administrator or planner can do to assist your agency in planning for these patients.

Instructor: Raymond Fowler

🚒 OPE-923 Introduction to Rescue Task Force Models

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

With the increase in high-threat calls such as active shooters, agencies are beginning to implement various task force (RTF) models. The lecture will describe the goals of RTFs. No one model is perfect for everyone. Learn about the risks and benefits of some models seen across the country. We will discuss some lessons learned from implementations.

Instructor: Allen Yee

PED-1028 Infants and Adolescents with Broken Hearts

BLS 12 / ALS 17 / 1.0 CEU

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

Today more infants are being diagnosed with critical congenital heart defects that require stabilization and transportation to regional centers for care. As older children and adolescents with and without heart defects participate in competitive athletics at many different venues, sudden unexpected cardiac death remains a tragic and sometimes an unpreventable event. Immediate, appropriate care, stabilization and rapid transport are essential to optimize outcome.

Instructor: William B. Moskowitz

PED-1029 Protect Our Kids! SCA in the Young

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: All

Sudden Cardiac Arrest (SCA) is the #1 killer of our teen athletes and the #2 killer of people in the first 40 years of life. This talk is based on the cold reality of SCA as we hear every day; it seems, about a kid collapsing on the basketball court, or football field or other venue. Learn about a six-point plan to action that will provide screening looks for parents and health care providers to identify at risk students. If you want to protect your kids, come hear this session!

Instructor: Bob Page

PED-1030 Closet Monsters: Munchausen Syndrome by Proxy

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

EMS must be able to recognize the "Red Flags" of abuse, become a child advocate and protector as well as the child's

healthcare provider. However, the red flags of child abuse can sometimes not be clearly visible. This presentation discusses Munchausen Syndrome by Proxy (MSbP): an often misdiagnosed form of child abuse in which a parent intentionally causes an illness in order keep in contact with healthcare providers. Through case-study discussion we will explore how EMS may be the front line in stopping these "closet monsters of child abuse."

Instructor: Jules K. Scadden

TRA-1230 Cause That's the Way We've Always Done It

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Why have we done so many things the same way for so many years? The answer in many cases is "cause that's how we've always done it." In recent years, more and more research has been completed that is changing the paradigms. EMS is transitioning into a research-based field, but should we trust all of the research that is coming out? Is today's best practice, tomorrow's malpractice? Dr. McLeod will review the five hottest topics in EMS and potential changes on the horizon.

Instructor: Marilyn K. McLeod

TRA-1231 Burn Management for Initial Care and Long Distance Transport

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

Burns are a grotesque and frightening traumatic injury and I have found that education primarily revolves around the old adage of "diesel therapy". In this lecture we will discuss risk factors, types of burns, the physiology behind burns and how to care for these patients. Lecture will discuss some advanced topics that not all providers are cleared to perform, but should have an understanding of, as well as decision-making factors that drive the care you're providing.

Instructor: Andrew L. Isaacs

Limited to: 30

10:00 AM - 11:00 AM

👋 ARV-220 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. **PLEASE**

Saturday Courses

10:00 AM - 11:00 AM

NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex. Instructor: Teleflex Faculty
Limited to: 9

10:15 AM - 11:45 AM

MED-839 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU
Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex. Instructor: Teleflex Faculty
Limited to: 9

10:30 AM - 12:30 PM

BLS-307 BLS Academy Medical Part 2

BLS 14 / ALS CAT 2 / 2.0 CEU
Target Audience: BLS
This is the seventh class of the two part Medical component in the BLS Academy. This course will satisfy 2 of the 6 hours required for Medical, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.
Instructor: Cody G. Jackson

11:00 AM - 12:00 PM

ARV-221 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU
Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to

complete online Waiver of Liability that will be emailed to participants by Teleflex. Instructor: Teleflex Faculty
Limited to: 9

ARV-222 Mechanical Ventilation - Go Ahead...Do it...Turn the Knob

BLS 11 / ALS 16 / 1.0 CEU
Target Audience: ALS, Educators, MD, DO, RNs
It is time to stop being afraid to turn the knobs on the ventilator! We have all been brainwashed into thinking we will cause the end the world if we touch the ventilator. The truth is, we can actually improve the patient if we touch the ventilator. With a systematic/ informed approach to each setting. We will dive into treating your healthy lung patient all the way to methods to dealing with "sick lungs". Don't be afraid anymore!
Instructor: Bryan G. Selvage

CAR-423 ...And the Beat Goes On

BLS 12 / ALS 17 / 1.0 CEU
Target Audience: ALS, BLS, MD, DO, RNs
AVentricular Assist Device (VAD) is a device that is used to partially or completely replace the function of a failing heart. Some VADs are intended for short term use, typically for patients recovering from heart attacks or heart surgery, while others are intended for long-term use. These devices are becoming more and more common and EMS personnel need to know what they can and can't do with these patients.
Instructor: Christopher D. Ebright

EDU-523 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

EDU-524 Getting out of the Small Pond: An Insider's Guide to Publishing and Lecturing on EMS Topics

BLS CAT 2 / ALS CAT 2 / 1.0 CEU
Target Audience: All
Have you ever looked at an article in a trade or academic EMS journal and thought, "I could have written that?" Have you ever heard a presenter at a conference and thought, "I have a great idea for a presentation!" EMS education does not end in the traditional classroom. Hear from an experienced writer and lecturer in this updated, relevant presentation on developing your ideas, understanding the opportunities available to write and speak, write presentation proposals and

get yourself ready to enter the wide world of EMS publishing and speaking.
Instructor: Raphael M. Barishansky

HEA-623 10 Minutes to Be a Better Medic: How a Quick, Daily Routine Can Help You Become the Best of the Best

BLS CAT 2 / ALS CAT 2 / 1.0 CEU
Target Audience: All
When we think of continuing education in EMS, we often relate it to day-long card class renewals or tedious online programs that we put off until the last couple months before it's time to renew our licenses. Combating complacency doesn't have to be something that requires a lot of time and effort. Spending a minimum of 10 minutes per shift creating simple learning habits will quickly lead to compound results that excel us to the top of our game.
Instructor: Sean Eddy

HEA-624 Calling a Code Alert on Our Mental Health

BLS 15 / ALS 20 / 1.0 CEU
Target Audience: ALS, BLS, Dispatcher, RNs, Youth
This course will introduce attendees to the topic of first responder mental health. It includes a review of mental health conditions common in first responders, an overview of the statistics regarding first responder mental health, the signs that someone may be having a mental health crisis and how to talk to someone in crisis and help them get help.
Instructor: Ann M. Farina

LMGT-729 A Recipe for Rural Success: Results From a Statewide Rural EMS and Small Hospital Needs Assessment

BLS CAT 2 / ALS CAT 2 / 1.0 CEU
Target Audience: All
The program is designed to provide information on what can be done to improve health outcomes when hospitals and EMS interact in rural communities.
Instructor: Heather K. Anderson

LMGT-730 I Want to Work There!

BLS CAT 2 / ALS CAT 2 / 1.0 CEU
Target Audience: ALS, Administrators, All, BLS
This interactive lecture provides tips, tools and lessons learned that help explain why certain fire and rescue stations have a culture that EVERYONE wants to be assigned to or volunteer. Have you ever stopped to think of why that is? Is it about the members, leadership, apparatus or a combination of the three? This class will address those attributes that will make your work force want to come to work for you.
Instructor: Justin B. Adams

Saturday Courses

11:00 AM - 12:00 PM

LMGT-731 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

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 Vernovai

MED-840 It Just Hit the Fan!

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Something just went wrong. Remain calm. Don't let the family and the patient see you sweat. We've all had those calls where things didn't go quite as planned. Dr. McLeod uses actual cases to discuss common pitfalls, unusual circumstances and how to overcome them when they happen. Prepare to be educated and entertained!

Instructor: Marilyn K. Mcleod

MED-841 Terror in the Streets: How Drugs of Abuse Have Become Drugs of Death

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This lecture will inform the attendee about the latest trends in drugs of abuse. Specifically, this will highlight the disturbing escalation of new synthetic opioids and the greater morbidity and mortality associated with their abuse. Knowledge gained upon completion of this lecture will be crucial to understanding our patients, including the clinical presentations and appropriate treatment.

Instructor: Kirk L. Cumpston

MED-842 Prehospital Blood Products: Is This the Wave of the Future?

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This course will begin with a review of blood products and why they can be helpful (or hurtful) in certain patient populations. We will then review recent literature discussing use of blood products in the prehospital environment to include sample protocols and patient outcome data. The course will end with a brief discussion of the material covered.

Instructor: Chelsea L. White

MED-843 Hypoglycemia Management: A New Paradigm

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
Shortages in the availability of 50 percent Dextrose have prompted systems to explore different approaches to treating hypoglycemia. While most of us have administered 25 grams of D50W for years, a historical search reveals little scientific evidence to justify this. We know that Dextrose can be caustic, and that the doses we administer often result in high blood sugars. This presentation describes new approaches, using smaller doses and lower concentrations of Dextrose. The physiologic rationale for this approach will be explained and evidence will be presented to support this change.

Instructor: Gary A. Heigel

OPE-924 Make ALS Great Again

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

Advanced life support is the greatest thing since sliced bread, right? More is better? Faster is best? This course will examine the rationale behind advanced life support, the potential consequences of having too much of a good thing, and the evidence base behind the ever-present push to decrease ALS response times. Discussion will be encouraged as we seek to clarify and illuminate the characteristics of ALS that make it great- and how to make it better.

Instructor: Mario J. Weber Co-Instructor: Michael Gerber

OPE-925 When Your Patient Dies: Death in EMS

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS

EMS providers are often the first people to tell a family their loved one has died. Families remember the images from those days for the rest of their lives. As a provider, there are simple but powerful changes you can make that will make the experience less traumatic for everyone involved. We will discuss how to talk to the family and prepare the body for the family to see it. We will also learn ways to help the medical examiner through documentation and body preparation.

Instructor: Becky Anderson

Limited to: 60

PED-1031 The Big 12 Pediatric Causes of Death - Circulatory

BLS 14 / ALS 19 / 1.0 CEU

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

The Big 12 Pediatric Causes of Death lecture series goes over the 12 major classifications of pediatric emergencies

leading to death and disability. Divided into four separate one-hour lectures that can be taken separately or as a group. Attendees have the chance to learn about pediatric emergency assessment, airway, circulatory and cardiac emergencies through case studies and group discussions. The Circulatory portion of this lecture series focuses on the causes and treatment of pediatric shock including, distributive, hypovolemic, cardiogenic and obstructive.

Instructor: William T. Engel

PED-1032 Pediatric Respiratory Distress

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, Educators, RNs

This presentation will discuss some of the most frequent causes of respiratory distress in children. The discussion will include scenarios such as asthma, pneumonia, bronchiolitis, croup and upper airway problems such as peritonsillar abscess and epiglottitis. Attention will be given to assessment of the child with respiratory symptoms and their prehospital management.

Instructor: George Lindbeck

TRA-1232 What's the Big Deal About TBI?

BLS 13 / ALS 18 / 1.0 CEU

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

"No head injury is so serious that it should be despised or nor so trivial that it can be ignored."- Hippocratic aphorism. What's the big deal about TBI? TBI accounts for 30 percent of all injury-related deaths and cost the US an estimated \$60 BILLION in medical care costs and indirect costs, such as loss of productivity, in 2000 (cdc.gov) We will review primary & secondary injuries, skull fractures, the bleeds, diffuse injuries, penetrating injuries and associated care. We can improve outcomes from TBI.

Instructor: Carolyn M. Book

TRA-1233 Update on Novel Tactical Combat Casualty Care Interventions and Devices

BLS 13 / ALS 18 / 1.0 CEU

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

Every year medical devices are developed that are of potential utility in the combat or tactical environment. Many of these devices focus on either novel extremity and junctional tourniquet designs or hemostatic dressings, but may also include novel resuscitation fluids, drug delivery devices, or equipment designed to be employed in a tactical environment. This session will review the most recent literature on these devices and include some hands-on time with some of the

equipment at the end of the session.
Instructor: Paul J. D. Roszko, Alexandra Walchak

Saturday Courses

11:15 AM - 12:45 PM

 **MED-844 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System**
BLS CAT 2 / ALS 19 / 1.5 CEU
Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.
Instructor: Teleflex Faculty
Limited to: 9

1:00 PM - 2:00 PM

 **ARV-223 Cadaver Lab for Advanced Airway Management**
BLS CAT 2 / ALS 16 / 1.0 CEU
Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.
Instructor: Teleflex Faculty
Limited to: 9

1:15 PM - 2:45 PM

 **MED-845 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System**
BLS CAT 2 / ALS 19 / 1.5 CEU
Target Audience: ALS, Educators, MD, DO
Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. **PLEASE NOTE: registration**

is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.
Instructor: Teleflex Faculty
Limited to: 9

1:30 PM - 5:30 PM

PRE-031 Instructor Workshop: Applying Active Learning Strategies in the Classroom
BLS CAT 2 / ALS CAT 2 / 4.0 CEU
Target Audience: ALS, Administrators, BLS, Dispatcher, Educators, MD, DO, RNs
Many instructors in the fire service rely on PowerPoint slides as a primary delivery model, and most are aware that this lecture style is not the best way to engage learners. This workshop will teach you how to use techniques of active learning. Learner-centered instruction helps students engage with material in small group settings, interact frequently with content in written and verbal exercises and shifts the focus of the instruction away from the teacher. Participants will create a lesson plans and practice teaching them in small groups during the workshop.
Instructor: Hilary G. Gates

1:30 PM - 4:30 PM

 **PRE-032 Stethoscopy for Dummies**
BLS 14 / ALS 19 / 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.
Student Requirement: Students will need to bring their own stethoscope to this workshop.
Instructor: Bob Page
Limited to: 50

1:30 PM - 3:30 PM

 **ARV-224 Pork 'N Beef 'N Lungs**
BLS 11 / ALS 16 / 2.0 CEU
Target Audience: All
This airway class is full of hands-on opportunities for all EMS providers. From basic airway techniques to advanced care, everyone participates. Learn simple basic

airway maneuvers to maintain airway patency. Students will learn advanced airway maneuvers including surgical airways, chest decompression, use of video laryngoscope for emergency intubation and the use of Magill forceps for removal of FBO. The ability to recognize an obstructed airway and how to manage the obstruction is paramount. Come join the fun!
Instructor: Bonnie Caplinger
Limited to: 30

BLS-308 BLS Academy - Operations 2

BLS 15 / ALS CAT 2 / 2.0 CEU
Target Audience: BLS
This is the eighth and final class in the BLS Academy. This course will satisfy the remaining two hours required for Operations, Category 1/NCCR (2016) under the new CE Requirements effective April 1, 2017.
Instructor: Cody G. Jackson

CAR-424 STEMI Showdown - Retooled - Challenger Round!

BLS 12 / ALS 17 / 2.0 CEU
Target Audience: ALS, BLS, Educators, RNs
Your favorite way to learn 12-leads has been retooled with all new 12-leads. Whether you took the beginner class or attended in years past; want to learn more or want a challenge in 12-lead recognition, this class is for you. In this version, we will dig deep into the more difficult STEMI mimics. This dynamic program uses audience response technology to help you learn how to identify STEMI's. Bring those tough questions as the guest instructor will be a doctor from the Virginia Heart Attack Coalition.
Instructor: John R. Dugan Co-Instructor: David Burt, Michael Kontos, Peter O'brien

MED-846 ALS for the BLS Provider

BLS 14 / ALS CAT 2 / 2.0 CEU
Target Audience: BLS
This presentation is a lecture and hands on class to help BLS providers save ALS providers. This class will demonstrate different skills from setting up IV fluids to Advanced Airway equipment to help the ALS provide and to promote functioning as a team. Come be a part of team learning!
Instructor: Gary Mullis
Limited to: 24

1:30 PM - 2:30 PM

ADM-104 Rules and Regulations for EMS Providers

BLS CAT 2 / ALS CAT 2 / 1.0 CEU
Target Audience: Administrators, BLS, Educators, RNs
This presentation will review a number of regulations and legal concepts that EMS providers frequently encounter in

Saturday Courses

1:30 PM - 2:30 PM

their practice, including such topics as termination of resuscitation in the field, ECO's and TDO's, "duty to act", patient refusal of care, patient competence and capacity, patient abandonment and others. Many of the common myths and misunderstandings will be addressed, with a focus on rules and regulations in Virginia.

Instructor: George Lindbeck

ARV-225 Capnography and RSI- Don't Drown in the Waves!

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO, RNs
Go beyond surfing the wave and learn how capnography can help you with Rapid Sequence Intubation (RSI). We all know these patients are sick and unstable. Learn how to use capnography to help you before, during and after the decision to RSI your patient. You can't make a good plan blindly!

Instructor: Bryan G. Selvage

EDU-525 Tasking, Encouraging Students, Employees and Yourself

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, Educators
You have a student in your office and they seem burned out with school, the program and life. Have you noticed your staff and cohorts are not interacting with the students and staff like they once did? The answer lies in, "Tasking" ourselves and those around us. This session will discuss methods to deal with burnout and productivity by you, your staff and the students we serve. Join Kirk and Margaret for an interactive and informative session on Burnout, Productivity and Improving your teaching and leadership by making simple changes.

Instructor: Kirk E. Mittelman, Co-Instructor: Margaret Mittelman

EDU-526 Methods of Delivery: Breaking Away from Traditional Education

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Educators

Death by PowerPoint has become one of the main ways "education" is provided. Students walk away from the experience with migraines, drool and numb posteriors. The majority of EMS students are kinesthetic learners, so why do we keep forcing them to participate in classes that don't allow them to reach their potential. Technology allows for alternative methods of delivery to optimize the education experience and energize our students. Come learn ways many programs are combining classroom and technology to form a hybrid

experience that will have your classes "flipping out."

Instructor: Jason Ferguson

HEA-625 Take Care of Your Money Maker: Simple and Effective Strategies for EMS Providers...

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

We work in a profession where the slightest of physical limitations can end a career. Staying healthy and fit isn't always easy while working an EMS schedule, but it isn't impossible. It's important to remember that we are all one bad lift away from never working in the field again. Crossfit, marathon running and bodybuilding are all great things, but they aren't necessary to maintaining good health. All we need is simple habit-building, 10-30 minutes a day and being intentional with what we put in our body.

Instructor: Sean Eddy

HEA-626 Don't Let the Bathtub Overflow: Why Resiliency Is Important and How to Develop It

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Every stressful event we experience fills up our "bathtub" a little bit more. Having resilience allows us to drain the bathtub before it overflows. This course provides an overview of what resilience is, why it is important and what happens when we lack it. Attendees will also learn about different resilience factors and how they can be developed in order to improve resiliency.

Instructor: Ann M. Farina

LMGT-732 The "D" Makes All the Difference. The Fine Line Between Discipline and Disciplined

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: Administrators

As a supervisor, one of the more unpleasant tasks we have is dealing with disciplinary issues. Using interactive lecture and case studies, this session will challenge the participant to examine their organization and to grow and develop it into one that stresses being "disciplined" as opposed to doling out "discipline" except when truly necessary. An organizational culture focused on accountability at all levels will help reduce the need for formal disciplinary action, improve morale and increase ownership in the agency.

Instructor: Timothy M. McKay

LMGT-733 Selfie Sabotage: Social Media Use in EMS

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators, Youth
In today's day and age you never know who is watching. There is nowhere that is truer than social media and the Internet.

Many EMS agencies have guidelines and protocol on how social media is to be used by providers. This session will detail how to use social media for positive individual provider promotion. Common social media pitfalls and faux pas will be highlighted. We will also discuss the differences between common platforms and how to best use them to achieve your career goals.

Instructor: Amy Eisenhauer

MED-847 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

MED-848 Emerging Trends in Drugs of Abuse

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

Drug trends and drugs of abuse are an ever-changing field. We will discuss current trends in drug abuse, including the new types of drugs being used recreationally, synthetic drugs and old drugs being abused in creative ways. The material will cover cases we are seeing locally in Virginia as well as national trends and we will discuss clinical effects and treatment strategies.

Instructor: Heather Borek

MED-849 Criminal Poisoning and the Role of First Responders in Management and Documentation

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

A criminal poisoning occurs when an individual or group deliberately attempts to inflict harm on others through the use of a toxin. Innumerable potential toxins can be used to intentionally inflict harm on humans and include pharmaceuticals, herbals, household products, environmental agents, occupational chemicals, drugs of abuse and chemical warfare agents. This lecture will focus on specific actual criminal poisoning cases and the important role of EMS in both initial treatment and documentation. Actual cases covered will include varying criminal intent, including attempted murder, drug facilitated sexual assault and terrorism.

Instructor: Christopher P. Holstege

Saturday Courses

1:30 PM - 2:30 PM

OPE-926 Large Scale Event in 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 takes us to the high desert of Nevada to the iconic event called Burning Man. The distances. The crowds. The whole thing was beyond anything you could ever imagine. Hear what it's like to deliver exceptional care in the largest temporary city that never closes and becomes home to nearly 80,000 people... miles into the desert.

Instructor: Robin J. Davis

OPE-927 Annual Infection Control/ OSHA Update

BLS 14 / ALS 19 / 1.0 CEU

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

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 why CDC guidelines change 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

OPE-928 Stay and Save

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, Administrators, BLS
EMS providers at all levels are taught to rapidly identify and transport "load and go" patients. Patients not requiring immediate transport fall into the "stay and play" category. This course will discuss a third category of patients: those with immediately life-threatening presentations that require prompt intervention on the scene, not while moving to the ambulance, and not while transporting to the hospital. Using a case-based approach, we will explore the effective management of these "stay and save" patients.

Instructor: Mario J. Weber

PED-1033 Respiratory and Airway Emergencies in Children

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: All

This course will provide an overview of the pathophysiology, prehospital recognition and management of children with respiratory and airway emergencies with a focus on the evaluation of signs and symptoms and how to distinguish upper

(extrathoracic) vs lower (intrathoracic) airway obstruction. Specific conditions to be discussed will include asthma, pneumonia, bronchiolitis, croup and special populations including; neonates, children with tracheostomies, cerebral palsy, muscular dystrophy and chronic lung disease of prematurity.

Instructor: Michael S. Schechter

PED-1034 Pediatric Shock for the ED and EMS Provider

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

When a child presents with poor perfusion, it is imperative for the health care provider to be able to rapidly assess that patient and determine if he is in shock and if so, determine what is the etiology of the shock. Using the 2015 AHA PALS updates, we will discuss the four main types of pediatric shock and the initial treatment of each one.

Instructor: Dusty Lynn

TRA-1234 To Board or Not to Board

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Spinal immobilization may be a misnomer and give us a false sense of security. What we have traditionally performed for decades can be referred to as spinal motion restriction. The practice is based on rationale derived from splinting extremity fractures. Learn more about the potential risks and who can benefit from spinal motion restrictions and emerging trends.

Instructor: Allen Yee

TRA-1235 Dodging Bullets at Symposium! Ballistics & Sharp Object Trauma

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: All

Program focuses on the challenges of managing gunshot victims and the epidemiology of shootings in the U.S. Discussion about the firearm caliber and trajectory will provide participants a better understanding of these penetrating injuries. Also discussed will be the most current practice in the management of penetrating trauma and the use of tourniquets and clotting agents.

Instructor: Travis L. Karicofe

2:00 PM - 3:00 PM

ARV-226 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques.

Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

2:15 PM - 3:45 PM

MED-850 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

3:00 PM - 4:00 PM

ARV-227 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs. Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

Saturday Courses

3:00 PM - 4:00 PM

EDU-527 Training a Paramedic Mind

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

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

The mind of the medic must work in a fast, accurate and coordinated manner. The environment of the medic is chaotic, variable and constantly changing. We will identify and discuss the parts and the whole of a successful thought process for medics and discuss ways to train and evaluate the mind of a successful medic.

Instructor: James Blivin

EDU-528 Educating an Interprofessional Healthcare Workforce

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: Administrators, Educators

We've all heard EMS providers say, "our job is just to get patients to the hospital with a pulse." Our profession goes far beyond that, and it is time we focus on outcomes rather than just stabilization and transport. As the U.S. Healthcare system rapidly moves toward values-based healthcare, and ties that value to reimbursement, we must look at our field as a critical link in an integrated healthcare system. This session will discuss educating professionals collaboratively to foster a collaborative healthcare culture.

Instructor: Daniel W. Linkins

HEA-627 Why Isn't My Scene Safe?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

Too often we enter scenes and say the words "My Scene Is Safe," just like we learned in EMT, AEMT and Paramedic class; only to find out later that we have walked into the wrong situation at the wrong time. Kirk will tell a few personal stories of getting in deeper than he should have and getting shot while on a call. Kirk's unique brand of humor, candor and storytelling promises to keep you on the edge of your seat and to help you get home to your family.

Instructor: Kirk E. Mittelman

HEA-628 Zombie Driver...Shift of the Living Dead

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, Administrators, BLS

Fatigue is often ranked as a major factor in causing road crashes although its contribution to individual cases is hard to measure and is often not reported as a cause of crash. Driver fatigue is particularly dangerous because one of the symptoms is decreased ability to judge our own level of tiredness. Public safety professionals are not exempt from the symptoms of

drowsy vehicle operation.

Instructor: Adam Wojciehowski

HEA-629 Is That a Gun, Does That Dog Bite?

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

In the field of EMS it is easy to walk in to trouble, stay too long or not notice a threat. This class will show examples of EMS-based threats from violent patients, vicious dogs, to drug abusers and gang related situations. We will explore situational awareness, escape techniques and defensive posturing. We will show techniques for keeping the crew safe and not getting in too deep. We will explore laws and the rights of the EMS provider that is backed into a corner.

Instructor: Vernon M. Frayser

LMGT-734 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, can help make the future less frightening and put EMS agencies on the right road for success. Relevant examples from real world EMS issues - including MIH implementation, transitioning to a combination department as well as volunteer recruitment and retention initiatives - will be presented and analyzed from a strategic perspective.

Instructor: Raphael M. Barishansky

LMGT-735 Leadership: If No One Is Following, You're Just Taking a Hike

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Are leaders born or made? What are the qualities of a good leader? Titles and positions do not make us good leaders; we must strive for personal growth and lifelong learning. From Hitler to JFK to Steve Jobs, history teaches us that we can learn from past leaders, both good and bad. Followership is just as or even more important. Leaders may have a vision, but it takes dedicated followers to make that vision a reality. Are you leading the way? If no one's following, you're just taking a hike!

Instructor: Jason Ferguson

MED-851 Intranasal Medications in the Prehospital Environment

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, 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: Paul J. D. Roszko

MED-852 Burning Diesel Is the Most Appropriate Treatment: When Not to Waste Time in Transporting Patients

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

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

A thorough prehospital evaluation is an important step in good patient care, but sometimes there are subtle presentations in which time is of the essence and delay in definitive care places the patient at risk of poor outcomes or death. This lecture will address conditions in which quick transport is needed, including patient exam and other clinical findings that may indicate a more serious issue is present despite a normal appearing patient. The course will conclude with case presentations.

Instructor: Christopher Hogan

MED-853 Stroke Here? Stroke There? Stroke Where?

BLS 12 / ALS 17 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Learn how to better identify stroke by increasing your knowledge of neuro anatomy and cerebral circulation. Overview of the cerebral vessels affected by strokes and the s/s that result from impairment to each specific vessel. Focus on specific locations in the brain where strokes occur, what s/s to expect, and what s/s will present together. Brief overview of neuro assessment and why timing is so important for stroke patients.

Instructor: Miranda L. Scott

OPe-929 When "It" Hits the Fan: The Importance of Interdisciplinary Disaster Drills

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

This presentation will discuss a disaster drill that was sponsored by the nursing program at Blue Ridge Community College. The presentation will discuss how this drill helped to prepare healthcare providers, regardless of training, to handle a major disaster in their area. The class will also cover how to set up a similar disaster drill in your area.

Instructor: Chelsea L. White

Saturday Courses

3:00 PM - 4:00 PM

OPE-930 There's Nothing "Basic" About Me!

BLS 15 / ALS 20 / 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

OPE-931 CA005070 Route 288 and Lucks Lane, Incident Within an Incident With a Mayday

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: ALS, BLS

In February of 2016 we responded for an accident on Rt. 288 in Chesterfield. While on scene a car crashed through our accident scene injuring three and killing one. Injuries were to firefighters, State Police and citizens. This presentation talks about the accident, the mayday and the recovery of responders on scene.

Instructor: John P. Gannon

PED-1035 The ABC's of Pediatric Trauma

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS, RNs

The traumatized child can be overwhelming for all care providers. Staying focused on the ABC's of pediatric trauma will assist the EMS provider in providing the right care at the right time. Come join our interactive discussion on understanding the unique pediatric response and the basics of pediatric trauma care.

Instructor: Dusty Lynn

PED-1036 Emergency Management of Adrenal Crisis

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

This presentation is a group learning session in which participants will individually, and in groups, review the risk factors and the pathophysiology of adrenal insufficiency and adrenal crisis, as well as the emergency care of a patient in adrenal crisis, in a team-based learning activity. Vignettes will be designed to facilitate higher level critical thinking, problem solving and the importance of teamwork in providing care to a patient in adrenal crisis.

Instructor: Prasanthi Pasala

TRA-1236 Crush Injuries

BLS 13 / ALS 18 / 1.0 CEU

Target Audience: ALS, BLS

Crush injuries present a unique challenge to EMS providers. These cases often evolve over time, and they require a high level of suspicion as well as knowledge of extrication, anatomy, trauma care and medical management. Using real cases as a guide, we will discuss various pearls and pitfalls of managing patients with crush injuries.

Instructor: Amir K. Louka

TRA-1237 Too Hot to Handle

BLS 13 / ALS 18 / 1.0 CEU

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

Your ambulance has just arrived at a structure fire stand-by when suddenly firefighters are screaming that one of their own is down. You quickly respond and find the firefighter lying on the ground, and when you touch him you receive a first-degree burn. You have no idea how to assess him with his protective gear in place, or how you can transport him with an air tank strapped on his back. This interactive presentation will teach you all you need to know to take care of a downed firefighter.

Instructor: John E. Burruss

TRA-1238 Burn Resuscitation and Airway Management

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, Fluid Resuscitation and Airway Management. Resuscitation data will be up-to-date for current American Burn Association, Advanced Burn Life Support recommendations.

Instructor: Christopher Stevenson

3:15 PM - 4:45 PM

MED-854 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that

will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

4:00 PM - 5:00 PM

ARV-228 Cadaver Lab for Advanced Airway Management

BLS CAT 2 / ALS 16 / 1.0 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session on various airway management techniques. Topics include, but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

4:15 PM - 5:45 PM

MED-855 Cadaver Lab for Arrow EZ-IO Intraosseous Vascular Access System

BLS CAT 2 / ALS 19 / 1.5 CEU

Target Audience: ALS, Educators, MD, DO

Teleflex Inc. presents this comprehensive hands-on cadaver session that extensively covers the EZ-IO. Participants will recognize relevant theory and practice relating to anatomy, physiologic process and clinical applications of the EZ-IO System. **PLEASE NOTE: registration is strictly limited to Paramedics, EMS Administrators, RNs and MDs.** Participants will be required to complete online Waiver of Liability that will be emailed to participants by Teleflex.

Instructor: Teleflex Faculty

Limited to: 9

4:30 PM - 5:30 PM

ARV-229 Mechanical Ventilation- Beyond Alphabet Soup

BLS 11 / ALS 16 / 1.0 CEU

Target Audience: ALS, RNs

Mechanical ventilation can be intimidating. With numerous proprietary modes of ventilation based on manufacturer specifics it is easy to lose sight of the goals of mechanical ventilation. Whether assisting a patient with a bag valve to ETT or the most advanced critical care ventilator, the same principals apply. Understanding these principals will allow providers to optimize

Saturday Courses

4:30 PM - 5:30 PM

oxygenation and ventilation regardless of the delivery device used. Various modes and strategies of ventilation will be discussed in understandable terms, as well as appropriate use of ETCO₂ and SPO₂ monitoring.

Instructor: Christopher Stevenson

CAR-425 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

EDU-529 See One, Do One, Teach One: Finding Your EMS Mentor

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, Educators

Mentoring has long been a tradition in the medical profession, yet it is an underutilized tool in the EMS arsenal. Many EMS providers feel stagnated and leave the field, taking their passion and skills with them to benefit another industry. This presentation will discuss the mentoring relationship and expectations of both the mentor and mentee. Benefits of having a mentor for the individual EMS provider and how to find one will also be reviewed.

Instructor: Amy Eisenhauer

HEA-630 Have All My Medics Gone Mad: Addressing Employee Stress and Mental Health Emergencies

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: Administrators, Educators, MD, DO

First responder agencies are more likely to experience an employee suicide than they are a line of duty death. This course provides an overview of the scope of the problem, how to foster a culture that does not contribute to the stigma, how agency leaders can reduce employee stress and how to prepare your agency in advance for dealing with a mental health emergency.

Instructor: Ann Marie Farina

HEA-631 Money Matters: Why Your Wallet Is Just as Important as Your Protocol Book

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

Financial stress is one of the biggest killers of EMS careers. Things like rotating schedules with short / long pay periods, working a lot of overtime to make ends meet and carrying excessive debt is not only killing our personal lives and careers, but it's affecting our patient care. Regardless of your income, a financial plan is an absolute must. You don't need an expensive accounting program or a degree in finance to accomplish this. All you need is an open mind and a desire to take control.

Instructor: Sean Eddy

LMGT-736 "You're in Charge, and Guess What...They Lied, It Runs UPHILL" Officer Liability and Incident Response

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

With the availability of legal process and a new era of accountability, Fire and EMS officers are finding themselves in situations where they are being held directly accountable for their actions, beyond the typical fire and EMS administration level. Emergency Services officers are finding themselves in court both civilly and criminally for actions taken during incident response. This program will discuss the various types of responses and the potential outcomes for officers should the incident go awry and what actions can be taken to mitigate liability for the officer.

Instructor: Justin W. Witt

LMGT-737 Every Day is a Training Day

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: All

A class to help show why training is so important and how we all should make everyday a training day. We will cover how QA/QI can be important in assessing risk management and then how that can evolve into a well-rounded training program. Come see how to help all of us in EMS become better providers and educators.

Instructor: Gary Mullis

MED-856 Step Up Your Game: The Importance of Patient Assessment

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

While it sounds simple, critical patient assessment details are often overlooked in the chaos of an emergency. These important details can significantly change patient outcomes. This course will remind

students of the importance of careful patient assessment in order to create an accurate and appropriate treatment plan. Students will review the basics of patient assessment including inspection, palpation, and auscultation.

Instructor: Chelsea L. White

MED-857 Shaking up Conventional Views on Seizures

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Not all seizures are created equal. How can you be sure your patient is truly having a seizure? Can you tell the difference between a focal seizure and an absence seizure? Do you know when to let a febrile seizure refuse transport versus strongly recommend seeking further care at the hospital? This session will utilize video to display the various types of seizures and clues for reliable recognition. Additionally, it will address who is at risk for additional seizures or other complications, and who can stay home with close monitoring.

Instructor: Stephanie K. Louka

MED-858 Illness in the Span of Age: How Common Medical Complaints Differ From the Newborn to the Elderly

BLS 14 / ALS 19 / 1.0 CEU

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

There are many patient complaints that occur across the spectrum of age. Not only does the cause of these complaints change with age, but the risk of poor outcomes changes too and must be considered in the initial patient evaluation and stabilization. This lecture will cover common complaints, such as back or abdominal pain, through the stages of patient age (infancy, childhood, adulthood, geriatric). The more serious conditions for each age group will be discussed, then re-enforced through case presentations.

Instructor: Christopher Hogan

OPe-932 Scene SAFE, BSI- From Spirit Fingers to a Culture of Patient Safety

BLS 15 / ALS 20 / 1.0 CEU

Target Audience: All

From our earliest days in EMT class, we learned to put safety first. Fundamentally, this presentation charges participants to build on that foundation- and change the way we deliver care. This presentation uses case studies to generate discussion on the culture of patient safety in EMS, specifically relative to other healthcare industries. Moreover, it encourages the participant to consider the role of EMS in leading the charge toward zero harm as a key member of the healthcare continuum.

Instructor: Travis J. Mitchell

Limited to: 35

Saturday Courses

4:30 PM - 5:30 PM

OPE-933 I Believe I Can Fly

BLS CAT 2 / ALS CAT 2 / 1.0 CEU

Target Audience: ALS, BLS, RNs

Do you aspire to be a flight nurse or flight paramedic? There are 10 air medical agencies in various locations throughout the state of Virginia. With the low turnover that many flight programs have along with the high number of applicants you need to prepare yourself to stand out amongst the others. This course is to help you develop short and long term goals to help you reach your career aspiration of flight medicine.

Instructor: Lisa Jamerson



OPE-934 Street Violence! How Safe Are You?

BLS 15 / ALS 20 / 1.0 CEU

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

The surge in violence against public safety now involves firefighters, EMTs and paramedics. In 2016, four providers were murdered. Traditional scene safety classes and staging policies are not doing enough to prepare our crew members, and 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 interviews with a paramedic who was stabbed and a police officer who was involved in a deadly shooting, as they share their stories of survival.

Instructor: Robin J. Davis

PED-1037 Pain in Sickle Cell Disease

BLS 14 / ALS 19 / 1.0 CEU

Target Audience: All

We will have a presentation on the pathophysiology of sickle cell pain by Dr. Sisler. Then a presentation on the psychosocial components of sickle cell disease and chronic pain syndromes by Dr. Matt Bisko, clinical psychologist who has years of experience with patients with SCD. Finally, we will have a patient/parent panel to discuss experiences with emergency room staff and EMS staff when experiencing sickle cell pain.

Instructor: India Sisler

Sunday Courses

9:00 AM - 11:00 AM

ARV-230 Successful Oxygenation - Six Step Process

BLS 11 / ALS 16 / 2.0 CEU

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

Getting oxygen delivered to the cells and working requires controlling six steps in the delivery process. This course follows the oxygen pathway and the means to successfully deliver the oxygen along the way. The airway anatomy and factors causing oxygenation failure will be listed and discussed. Methods to control and overcome the oxygenation failure will also be listed, discussed and demonstrated.

Instructor: James Blivin

Limited to: 40

CAR-426 RACE-Stroke Assessment & Intervention - What's New?

BLS 12 / ALS 17 / 2.0 CEU

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

This interactive class covers the simple prehospital RACE stroke scale that has been developed and validated to predict the presence of large vessel occlusion (LVO) in patients with acute stroke; case scenario presentations will also be included to practice using the RACE tool. This class will explain the difference between ischemic and hemorrhagic strokes and discuss clinical presentation in correlation with location of brain ischemia.

Instructor: Pankajavalli Ramakrishnan



EDU-530 EMS Scrabble

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: All

Come play EMS Scrabble on a 'people-sized' board. Everything upscaled! What is the longest EMS word you and your team can make? How many points can your team accumulate? Members playing EMS Scrabble will be placed in teams of five BLS and ALS. The team with the most points wins. Be prepared to define your team's word. Guaranteed great learning time and lots of fun!

Instructor: Bonnie Caplinger Co-Instructor: Clarence Fox

Limited to: 32



HEA-632 Is Your Agency Ready for an Emotional Disaster?

BLS 15 / ALS 20 / 2.0 CEU

Target Audience: ALS, Administrators, BLS

We are in the preparedness business. We expect the "what if," and have an answer to the question, "what now?" We buy ANSI vests, helmets and reflective jackets for physical protection, but what do we

do to protect ourselves mentally? EMS provider PTSD and suicide awareness has increased over the past few years, but how do we translate awareness into action? This presentation discusses the importance of integrating CISM and other mental health resources into agency SOP's, resilience training, provider fatigue for both personnel and leaders, and retirement planning.

Instructor: Amy Eisenhauer



LMGT-738 Don't Touch That! Evidence and Crime Scene Considerations for Fire and EMS Providers

BLS CAT 2 / ALS CAT 2 / 2.0 CEU

Target Audience: ALS, Administrators, BLS, Educators

EMS providers often find themselves working in the middle of active crime scenes with evidence scattered around them. This presentation will review what providers can do to identify what may be evidence that will be important later and how to function in an environment where evidence preservation is an important consideration along with patient care. This program will also take a look at what providers can expect from law enforcement and prosecutors with regards to evidence and the crime scene.

Instructor: Justin W. Witt

PED-1038 Jeopardy: Pediatric Trauma Topics

BLS 13 / ALS 18 / 2.0 CEU

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

Come review pediatric trauma care with a Pediatric Trauma Surgeon and Pediatric Emergency nurses from VCU Health's Level One Pediatric Trauma Center. A lecture will be followed by a fun and interactive game-show format review. Core-level knowledge for the initial assessment and management of children with traumatic injuries will be included. Topics will include various pediatric trauma scenarios and mechanisms including burns, blunt, penetrating, drowning and water related, vehicular, blast, firearm, and non-accidental trauma.

Instructor: Susan M. Beckman Co-Instructor: Nancy Georges

PED-1039 Holes in the Heart: A Crash Course in Congenital Heart Defects

BLS 12 / ALS 17 / 2.0 CEU

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

Congenital heart defects present an especially challenging situation for prehospital and emergency room providers alike, especially when previously undiagnosed. This lecture will review the relevant fetal and neonatal cardiac

Sunday Courses

9:00 AM - 11:00 AM

circulation and physiology, and familiarize participants with the most common congenital heart defects, including single ventricle physiology, cyanotic and acyanotic cardiac defects. Emphasis will be placed on the prehospital recognition and management of these patients. This course is especially useful for those pursuing career tracks in critical care transport where exposure to pediatric and neonatal specialty populations may be encountered.

Prerequisite: *Advanced certification as a paramedic, RN, PA, MD, or DO is preferred. A basic level of anatomy and physiology will be discussed, and advanced topics in anatomy and physiology will be reviewed.*
Instructor: William T. Engel

TRA-1239 Basic & Advanced Airway Management and EZ-IO

BLS Various / ALS Various / 2.0 CEU

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

Teleflex Inc. presents this hands-on classroom session that covers airway & EZ-IO. Obtaining vascular access in the prehospital environment is a primary concern. This course provides education on land marking, insertion, and identifying key components in delivering fluids and medications via the proximal humerus intraosseous route. Airway topics include but are not limited to: safe and appropriate use of oral and nasal pharyngeal airway, bag valve mask resuscitation, nasal atomization, supraglottic airway, orotracheal intubation via direct and video laryngoscopy.

Instructor: Teleflex Faculty

Limited to: 100

TRA-1240 Trauma Interactive

BLS 13 / ALS 18 / 2.0 CEU

Target Audience: All

That's right, Bob Page has cooked up another Interactive workshop! This is the ultimate participation workshop where the audience will use clickers and other means to get into the presentation and receive immediate feedback and rationale. Test your knowledge of trauma emergencies as Bob covers relevant information on the latest in trauma care, injury recognition, assessment findings and current management techniques. It is a great comprehensive trauma review for any level provider. It is part game show, part case studies, 100 percent fun!

Instructor: Bob Page

Faculty

Justin B Adams

Chesterfield Fire and EMS
Captain
Chesterfield, VA

William R Akers, MS, NRP

Southwest VA Community College
EMS PROGRAM DIRECTOR
Richlands, VA

Jason Ambrose, EMT-P, MPA

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Monique Dixon

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Symposium Seminars & Meetings

Room Host Meeting
Tuesday, November 7
9:00 p.m.

EMS Emergency Management Committee
Wednesday, November 8
9:30 a.m.

Legislation and Planning Committee
Wednesday, November 8
10:00 a.m.

Medevac Committee
Wednesday, November 8
10:00 a.m.

State EMS Advisory Board
Wednesday, November 8
1:00 p.m.

Room Host Meeting
Wednesday, November 8
5:30 p.m. and 7:00 p.m.

Workforce Development Committee
Thursday, November 9
10:00 a.m.

Communications Committee
Thursday, November 9
11:00 a.m.

Financial Assistance Review Committee
Thursday, November 9
1:00 p.m.

Recruitment and Retention Network
Thursday, November 9
7:00 p.m.

Virginia Association of Governmental EMS Agencies (VAGEMSA)
Thursday, November 9
7:00 p.m.

Room Host Meeting
Thursday, November 9
7:30 p.m.

Nationally Certified EMS Educator (NCEE) Exam
Friday, November 10
7:00 - 10:00 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. 9, 2 - 7 p.m. • Friday, Nov. 10, 9 a.m. - 2 p.m. & 4:45 - 7 p.m. • Saturday, Nov. 11, 9 a.m. - Noon

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39 Change Healthcare *formerly*
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100 Pocket Nurse
101 Atlantic Emergency Solutions
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103 Fire Rescue Tactical

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A-2 Goodman Specialized Vehicles
A-3 Atlantic Emergency Solutions
A-4 Osage Ambulance
A-5 Excellance Inc.

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T-2 Rider Alert - Richmond Ambulance
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T-3 Middle Peninsula Insurance
T-4 LifeCare Medical Transports, Inc.
T-5 FirstNet First Responder Network
Authority
T-6 Commission on Accreditation for
Pre-Hospital Continuing Education
T-7 Virginia Hospital & Healthcare
Association
T-8 Virginia Heart Attack Coalition/
Mission: Lifeline
T-9 Norfolk Fire-Rescue Museum
T-10, T-11 Cayce/Reily School of Massage
T-12 Virginia EMS for Children
T-13 Richmond Ambulance Authority
T-14 Virginia Department of Fire Programs
T-15 EMS Med-Flight I
T-16 Terason
T-17 HealthCare Simulations
T-18 CommonHealth
T-19 Sovereign Medical, Inc.
T-20 American Medical Response
T-21 Trauma Center at Mary Washington
Hospital
T-22 North Carolina Office of EMS
T-23 Platinum Educational Group

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