

International Master Course In Mountain Medicine and Mountain Emergency Medicine

Program – Collaboration with University of New Mexico

October 2015 – Albuquerque, New Mexico and Grand Canyon, Arizona

October 5, 2015 – Albuquerque

Location: University of New Mexico, Department of Emergency Medicine, Innovation, Discovery, and Training Complex (700 Camino de Salud, Albuquerque, New Mexico, 87131)
(<https://www.google.com/maps/place/700+Camino+de+Salud,+The+University+of+New+Mexico,+Albuquerque,+NM+87106/@35.0902093,-106.6196792,17z/data=!3m1!4b1!4m2!3m1!1s0x87220b5b0d0895b1:0x7fd87d93ebae3d0c>)

12.30 – 13.30	Welcome, Introductions, logistics	<i>Luigi, Festi / Williams, Jason</i>
13.30 – 14.30	Rescue Operations in the United States	<i>Williams, Jason</i>
14.30 – 16.00	Guest speaker (Peter Hackett?)	
16.00 – 18.00	Practical Mountaineering Equipment Research	<i>Abruzzo, Dane</i>

October 6, 2015 – Albuquerque

09.00 – 10.00	Heat Illness <i>and</i> Hyponatremia	<i>Reilly Aaron / Mayschak, Trevor</i>
10.00 – 11.00	Dislocations, reductions, fractures	<i>Macias, Darryl</i>
11.00 – 12.00	Lightning Injuries	<i>Abruzzo, Dane</i>
12.00 – 13.00	Lunch provided	
13.00 – 14.00	Suspension Stress	<i>Beverly, Marc</i>
14.00 – 15.00	Snake Bites & Stings	<i>White, Jenna</i>
15.00 – 17.00	Ultrasound workshop	<i>White, Jenna / Macias, Darryl</i>
17.30 – 18.00	<i>Equipment check for Grand Canyon</i>	<i>Mayschak Trevor</i>

October 7, 2015 – Travel to Grand Canyon

09.00 – 15.00	Travel to Grand Canyon, Arizona (6 hour drive)	
16.00 – 18.00	Tour of Grand Canyon Rescue Facilities	<i>Mayschak, Trevor</i>

October 8, 2015 – Grand Canyon

09.00 – 18.00	Group A: Descend into Grand Canyon to Bright Angel lodge. Medical rescue scenarios, overview of point of care testing, iSTAT fluid replacement, field blood products, tranexamic acid	
09.00 – 18.00	Group B: Summer mountaineering techniques. Terrestrial rope rescue.	

October 9, 2015 – Grand Canyon

09.00 – 18.00	Group B: Descend into Grand Canyon to Bright Angel lodge. Medical rescue scenarios, overview of point of care testing, iSTAT fluid replacement, field blood products, tranexamic acid	
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09.00 – 18.00 Group A: Summer mountaineering techniques. Terrestrial rope rescue.

October 10, 2015 – Grand Canyon

09.00 – 11.00 Tour of Grand Canyon Helicopter Base
11.00 – 17.00 Travel, return to Albuquerque (6 hour drive), evening off for rest and recuperation

October 11, 2015 – Albuquerque, Sandia Peak

Optional morning activity (05.00 – 09.00) Visit the Albuquerque International Balloon Fiesta (<http://www.balloonfiesta.com>)

09.00 – 16.00 Practical terrestrial mountain rescue in the Sandia Mountains. Meet at Sandia Peak Tramway. Take tramcar to 3163 meters.
(www.sandiapeak.com)

11.00 – 17.00 Evening Dinner hosted by Jason Williams and UNM Faculty
Location: (569 Black Bear RD NE, Albuquerque, New Mexico, 87122)

(<https://www.google.com/maps/place/569+Black+Bear+Rd+NE,+Albuquerque,+NM+87122/@35.179841,-106.487078,17z/data=!3m1!4b1!4m2!3m1!1s0x87189ef62e72704d:0x348a770bb39d4305>)

University of New Mexico Faculty Descriptions, for more information on our programs visit:

www.unmmountainmed.com

Jason Williams, Director EMS Academy, Austere & Mountain Medicine

Mountain Emergency Paramedic, DiMM, BS

Jason is the Director of the EMS Academy at the University of New Mexico. In this position, he oversees all Academy operations including the Bachelors degree in EMS paramedic programs, the U.S. Air Force Pararescue paramedic program, rural and distance education programs and the austere and mountain medicine program. Jason is the founder/director of UNM's Diploma in Mountain Medicine program and co-directs the wilderness medicine Rotation for fourth year medical students and residents. Jason grew up in the world of EMS and SAR and has practiced his love of mountain rescue for over 15 years. Most recently he formed a specialized mountain rescue group through the UNM EMS Consortium called the Reach and Treat team. He holds a BS in Emergency Medicine and completed the Mountain Emergency Medicine and Rescue course with the Alpine Rescue Center in Zermatt, Switzerland. When he's not at the university Jason collaborates with Beverly Mountain Guides and has been an integral component to notable expeditions including a National Geographic documented exploration of the crystal caves in Mexico. Jason has rock climbed all over the world but knows that nothing beats being perched on a granite cliff face in the Sandia mountains with his life-long climbing partner/wife.

Darryl Macias, Director Wilderness, Austere, and International Medicine Fellowship

MD, FACEP, DiMM

Originally from UCLA (and back of my car in Yosemite's Camp 4 during the summers) I'm privileged to have climbed and worked here in the Rocky Mountain region as well as the Himalayas, Andes, and my second home, the Alps. I decided to live the dream by combining academic emergency medicine and wilderness medicine at UNM back in 2000. Later, I obtained the French Diploma in Mountain Medicine, dreaming of bringing such training back to the USA...and, voilà! I enjoy NITROX diving, running long distances, as well as watching our students during our "survival" courses. International emergency medicine is also my passion. My goal for all our students is to enable all to deal with any type of situation anywhere on the planet!

Jenna White, Co-Director Austere & Mountain Medicine

MD, DiMM

Jenna White is one of the physician leaders of the UNM Reach and Treat team and co-director of the Austere and Mountain Medicine courses at the UNM EMS Academy. She serves the local SAR community as a team member of Albuquerque Mountain Rescue Council and as the medical director for Cibola Search and Rescue. She provides EMS medical direction for Cochiti Lake Fire & Rescue and Sandoval County Fire Department. Jenna received her undergraduate degree from Penn State University and her medical degree from Loyola University Chicago. While completing residency training in emergency medicine at the University of Michigan, Jenna helped establish a regional wilderness medicine educational initiative for the

Great Lakes area, and co-directed numerous wilderness medicine courses and conferences. After residency, she moved to New Mexico and completed a 2-year fellowship in EMS with a focus on rural EMS, wilderness medicine, and prehospital care in austere environments. During her fellowship, she completed the UNM Diploma in Mountain Medicine program. She practices emergency medicine in the UNM hospital system, works closely with both the EMS and Wilderness Medicine fellowships at UNM, and is faculty in the UNM EMS Academy. Jenna loves skiing, running, hiking, and kayaking.

Marc Beverly, Director of Terrestrial Rescue

PhD, PA-C, UIAGM/IFMGA Mountain Guide

Marc represents the comprehensive approach to mountain medicine that the University of New Mexico strives for: he is a practicing physician assistant, an internationally certified mountain guide (IFMGA/AMGA), an Executive Board member for the UIAA (International Climbing and Mountaineering Federation), a rescue specialist with the UNM Reach and Treat team with well over 20 years of SAR experience, and most recently completed his PhD in Exercise Science. The owner and director of Strike Rescue, Marc advises all things technical rescue for the UNM Austere and Mountain Medicine Programs. He has published both technical and medical studies relevant to mountain rescue that have helped push the industry to adopt evidence based standards and procedures. Marc teaches as faculty with the Diploma in Mountain Medicine program, focusing on complex technical rope work and the seamless integration of rope rescue and quality wilderness medicine. Sit down for coffee with Marc, and you are sure to hear a wild SAR story or personal epic in the mountains. On his "days off", he establishes quality multi-pitch traditional rock climbs, competes in ice/mixed climbing on the World Cup circuit, and loves to shred untouched and hard to find New Mexican powder.

Trevor Mayschak, Primary Faculty Austere & Mountain Medicine

Paramedic, DiMM, BS

Trevor Mayschak is primary faculty for the Austere and Mountain Medicine team. Trevor is a graduate of the UNM EMS Academy Diploma in Mountain Medicine Program, after which he spent the Summer of 2013 as a paramedic for the Grand Canyon National Parks Service. There he ran numerous 911 calls in the back an ambulance, inside of a helicopter, and down-trail at various locations in the Grand Canyon. His interests include all things mountain medicine, climbing, technical rescue, backpacking and canyoneering to name a few. Trevor trains community members and professionals in Wilderness Medicine topics and has presented research in technical rescue, most recently on rappel set-up techniques at the International Technical Rescue Symposium (ITRS) Conference in the Fall of 2013.

Dane Abruzzo, Primary Faculty Austere & Mountain Medicine

Paramedic, DiMM, BS

Dane Abruzzo has been actively involved in the Austere and Mountain Medicine program since graduating from UNM in 2012. He practices mountain medicine in New Mexico with the Santa Fe Ski Area pro-patrol, UNM Reach and Treat Team, and the Albuquerque Mountain Rescue Council.

He has grown up in the mountains of New Mexico skiing, climbing, biking and exploring. Dane attended the UIAA/ICAR/ISMM Rescue Specialty course held by Air Zermatt Alpine Rescue Center in September of 2012, and regularly attends wilderness medical conferences both nationally and internationally. Dane teaches WFR and WFA courses while also instructing paramedics, nurses and physicians as they complete their Diplomas in Mountain Medicine as part of UNM's internationally recognized mountain medicine curriculum.

Aaron Reilly, Co-Director Wilderness, Austere, and International Medicine Fellowship

DO, DIMM

Aaron is an Emergency Medicine physician and a member of the UNM Reach and Treat team. After completing medical school, he served as a US Navy Flight Surgeon with a Marine Attack Helicopter Squadron and was able to obtain unique experience in tactical and wilderness medicine. He finished an Emergency Medicine residency in Philadelphia, and then came to UNM for the Wilderness and Austere Medicine Fellowship, during which he received his Diploma in Mountain Medicine. Aaron has specific training in wilderness, austere, and race medicine, and he is highly involved in the education of professional medical providers, from paramedics to physicians, on providing medical support in remote locations. Aaron enjoys all things outdoors, and his focus is primarily on the medical and logistical aspects of ultra endurance races. He has provided support for a number of ultra-marathon races, including the Grand2Grand, Brazil Jungle Marathon, Badwater 135, and is currently the medical director for the Trans-Pecos Ultra. He also enjoys participating in endurance races, including adventure races, triathlons, and ultra marathons. He will be staying on as faculty and continue to be heavily involved in the UNM Austere and Mountain medicine programs.