# DEPARTMENT OF EXERCISE AND SPORT PERFORMANCE

E-News | Summer 2023 | https://www.une.edu/wchp/esp

### **APPLIED EXERCISE SCIENCE**

#### APPLIED EXERCISE SCIENCE

The Applied Exercise Science (AES) program would like to congratulate the 2022 Northeast Regional Chapter of the American College of Sports Medicine (NEACSM) back to back College Bowl Champions: Kyle Poulin, Jon Chappel and Lindsay Smith (AES class of 2023). This amazing team will be competing in the ACSM National College Bowl in Denver, CO in June 2023.

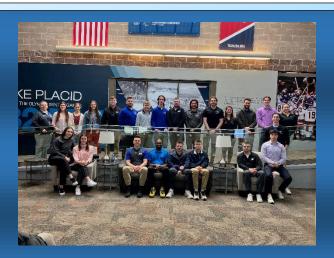
On May 20, 2023 the AES major will graduate 42 students. Of those students 20% have secured full-time employment and 68% were accepted to graduate or professional school for a total of 88% placement at graduation. Congratulation class of 2023!



## **ATHLETIC TRAINING**

AES and AT Students and Faculty Visit US Olympic & Paralympic Training Center in Lake Placid, NY

25 students and faculty from the department returned to the USOPTC in Lake Placid in March 2023 for an exclusive opportunity to live on campus with winter athletes in training and meet with staff from the Sports Medicine and Strength & Conditioning departments. The group was also treated to a "backstage pass" experience at the newly renovated Mt. Van Hoevenberg bobsled & luge facility during international competition, thanks to Ben Towne, MA. ATC (former UNE Clinical Instructor) who is now employed full-time as an AT at the USOPTC.







Mackenzie Burke (AES 23') and Abigail Bagnoli (AES 23') were awarded the Outstanding Student Major Awards at the annual Maine Association of Health, Physical Education, Recreation and Dance Conference at the Samoset Resort in Rockport, ME on November 7, 2022.

Abigail Bagnoli (AES 23') was awarded the 2023 Westbrook College of Health Professions (WCHP) Biddeford Campus Marron Award at the WCHP Bachelorette Ceremony on May 19, 2023. The WCHP Maroon Award is highest honor bestowed upon an undergraduate senior student on the Biddeford Campus. This honor is based on the criteria of being a role model for other students in his or her ability to demonstrate and maintain high academic standards, superior leadership qualities, collaborative working relationships, and service to improve the quality of life for others.





Mackenzie Burke (AES 23') was awarded the AES Outstanding Academic Achievement Award at the WCHP Bachelorette Ceremony on May 19, 2023.

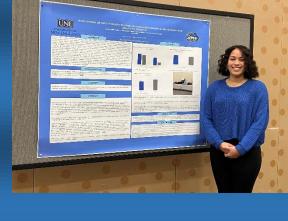
Alison Dresser, class of 2023 received the New England American College of Sports Medicine Undergraduate Research Grant award for her research entitled "Postural Effects on Power Outputs and Lactate Recovery During the Wingate Test". Her study is investigating different postures of sitting, standing, and a combination of sitting and standing and how those different postures affect Wingate Performance. Ali plans on attending UMASS Boston next year to pursue her masters in exercise physiology. Congratulations Ali!!!



Several students presented their research throughout the year at both the New England American College of Sports Medicine conference in Providence, Rhode Island (October 2022), and again at the American College of Sports Medicine Annual Meeting in Denver, Colorado (June 2023). The students were Alison Dresser (class 2023), Sarah Familia Castro (class 2023), Samantha DeAngelo (class 2023), and Nick Campbell (class 2024). In addition to presenting at these professional conferences, these students presented their research to the UNE WCHP community at the WCHP Student Research Day in May, 2023. These research presentations represent some of the outstanding work being done within the department and the research opportunities available. A big congratulations to Ali, Sarah, Samantha, and Nick on a job well done!!! We look forward to what's ahead in your professional development.

#### NEW ENGLAND AMERICAN COLLEGE OF SPORTS MEDICINE

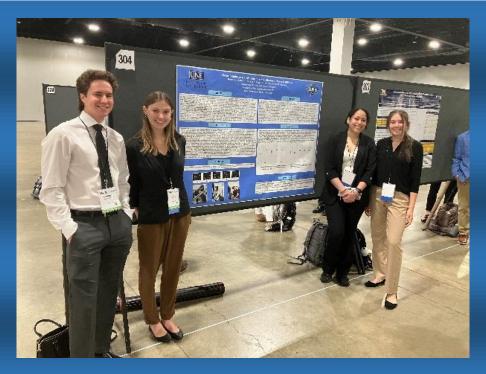


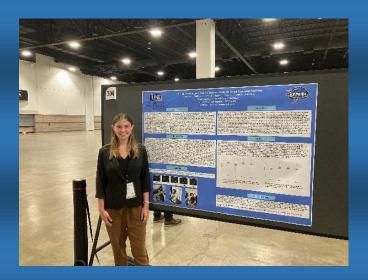




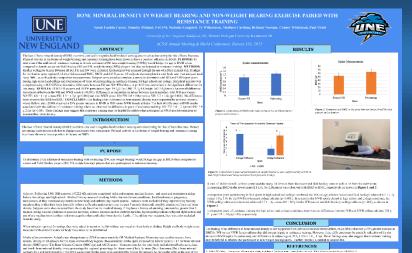


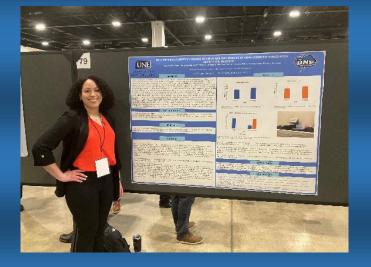
### AMERICAN COLLEGE OF SPORTS MEDICINE, DENVER, CO

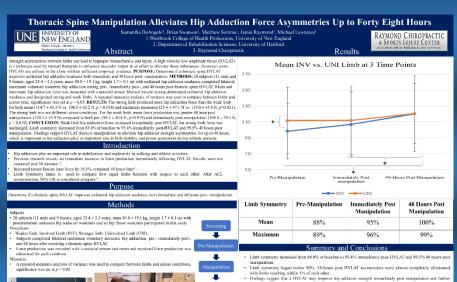


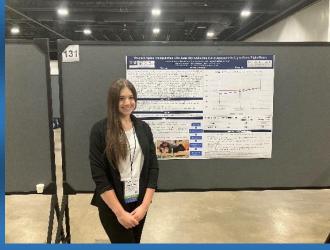


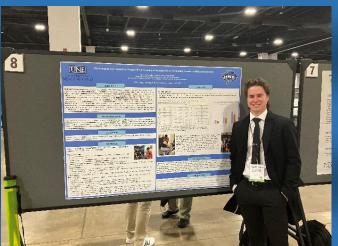














Nick Campbell (above) had a manuscript accepted May of 2023 in the Translational Journal of the American College of Sports Medicine. Nick played a pivotal role in data collection and writing the manuscript, entitled "Physiological and Subjective Changes While Wearing a Facemask When Performing Exercise at Different Intensities." His research showed that while wearing a surgical face mask at both moderate and vigorous exercise, one's respiratory rate was greater, but no differences were observed in heart rate, oxygen saturation or rating of perceived exertion. Bottom line, people breath more often when wearing a face mask, at both moderate and vigorous exercise but otherwise no other major changes. Overall, it appears to be safe to wear a face mask while exercising at both moderate and vigorous exercise in healthy individuals. Nick also presented his research at New England ACSM meeting in Providence, RI in October of 2022 as an oral presentation and the National ACSM meeting in May of 2023 as a poster presentation. Other authors included Dr. Michele Labotz and Dr. Paul Visich.

Jon Chappel, Lindsay Rand Smith, and Kyle Poulin represented UNE Applied Exercise Science at the New England College of Sports Medicine's College Bowl in Providence, RI this past October. For the second year in a row, UNE brought home Gold, defeating all other teams in final jeopardy, thanks to their knowledge of NADH+. Their victory won them a spot at the ACSM National Conference in Denver, Colorado, to compete against the top teams in the country. We are proud to say that our team did what no other New England Chapter team has done, ever - they won the National ACSM College Bowl! Going into Final Jeopardy they stood in second place, and yet again, were the only team in the competition to answer Final Jeopardy correctly, thanks to Hypertrophic Cardiomyopathy. Congratulations Jon, Lindsay, and Kyle. We are so proud of you!



#### **NEW ENGLAND CHAMPIONS!!!**





#### NATIONAL CHAMPIONS!!!





Two students and one faculty member from the University of New England's Master of Science in Athletic Training (M.S.A.T.) program recently joined 1,700 other health care professionals in volunteering to provide medical care to runners at the 127th Boston Marathon, held Monday, April 15.

M.S.A.T. Class of 2024 students Aiden O'Keefe and Riley Billings joined Christopher Rizzo, D.A.T., clinical professor and coordinator of Clinical Education within the Department of Exercise and Sport Performance, in providing medical care to over 1,600 runners during the race. Nearly 30,000 runners from more than 100 countries participated in the famed event.

Rizzo explained that volunteering at the marathon provided a rich experience in interprofessional practice as various health professionals — including athletic trainers, physicians, physician assistants, nurses, occupational and physical therapists, and clinical psychologists — were divided into teams to care for injured and distressed runners.

Second-year MSAT students return to campus for 2023 graduation

In late May, MSAT II students returned to campus following their immersive experiences in order to participate in two culminating events. The first was held in the Innovation Simulation and Interprofessional Center (ISIC) on the Westbrook College of Health Professions. Students participated in simulation activates around acute injury. Simulations provided student with an opportunity to respond to conditions such as anaphylactic shock, pneumothorax and cardiac arrest. Each session concluded with a debriefing activity where students were able to discuss their experiences with their peers.

As a component of the Athletic Training Capstone Experience, students identified unique clinical cases from their immersive experiences. Once these were approved, students worked with Drs Rizzo and Visich to create clinical case posters. As the final step in the capstone experience, MSAT II students presented the clinical cases to a group of faculty and students.







### **Athletic Training Students and Faculty at EATA Annual Meeting**

Athletic Training faculty members, Wayne Lamarre, Chris Rizzo and Kristen Bailey, along with twelve athletic training students attended the Eastern Athletic Trainers' Association Annual Meeting in Boston in January. MSAT student Michelle Barr was the Maine EATA Student Delegate Representative and helped to plan the student session. Wayne gave a presentation as part of the student session on his experience with the USA Women's National Ice Hockey Team at the 2022 Winter Olympics in Beijing.



### **EATA Quiz Bowl and Representation on NATA Quiz Bowl**

Michelle Barr participated in the District 1 quiz bowl, placing second among all students from New England. She will be part of the three-member team to represent District 1 at the NATA Quiz Bowl in Indianapolis in late June. Good luck Michelle!



# **COACHING MINOR**

Another busy year teaching and coordinating the Coaching minor. Internship opportunities have returned to 'normal' after the disruption due to the pandemic. We had 15 students graduate with the minor in May 2023. Two students were part of the coaching staff winning state championships in Girls Ice Hockey and Wrestling. Four students have been asked to return as assistant coaches at local high schools, and another two students received the Outstanding Future Professional award presented at the Maine Health, Physical Education, Recreation and Dance conference (MAHPERD), more details under AES updates.



Rising juniors Emily Factor and Elizabeth Goodrich compete against one another during their Coaching internships Biddeford HS versus Cheverus HS (State Champions).



Heath Pierce was an invited presenter at the Maine Association of Health, Physical Education, Recreation and Dance (MAHPERD) on November 7, 2022, Samoset Resort, Rockport, ME, presentation titled: The Plyometric Conditioning Continuum - If You Jump, You Need to Land!

Dr. Chris Rizzo, Professor Pierce with AES and AT students staffed an physical performance booth at the Inaugural Maine Mariners Youth Education Event.



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Dr. Shireen Rahman was awarded the WCHP Distinguished Teaching Award 2023 at the WCHP Baccalaureate Ceremony on May 19, 2023

Professor Kristin Bailey was inducted into the Maine Athletic Trainers' Association Hall of Fame.



## **Publications (\*denotes AES undergraduate students)**

Croteau K, Eduljee N, Murphy L, **Rosene J**, Munoz M. Impact of the COVID-19 pandemic on athletes participating in the 2022 Masters Field Hockey World Cup. *International Journal of Sport, Exercise and Health Research*. 2023 (Accepted).

**Campbell N**, LaBotz M, **Visich P**. Physiological and Subjective Changes While Wearing a Facemask When Performing Exercise at Different Intensities. *Translational Journal of the American College of Sports Medicine*. 2003 (Accepted).

# Presentations (\*denotes AES undergraduate students)

Jun, 2023	*Dresser A, *Gallo C, *Tolzman J, *Chapel J, *Nevin C, *Clymer D, <b>Rosene J</b> . Vision training as a tool to improve neck reaction time and stiffness. American College of Sports Medicine Annual Meeting. Denver, CO.
Jun, 2023	*Familia Castro S, Michael T, *Campbell N, *Wilhelmson T, *Cardona M, *Norman B, *Whitehead C, <b>Visich P</b> . Bone mineral density in weight bearing and non-weight bearing exercise paired with resistance training. American College of Sports Medicine Annual Meeting. Denver, CO.
Jun, 2023	*Campbell N, LaBotz M, <b>Visich P</b> . Physiological and Subjective Changes While Wearing a Facemask When Performing Exercise at Different Intensities. American College of Sports Medicine Annual Meeting. Denver, CO.
Jun, 2023	*DeAngelo S, Swanson B, Somma M, Raymond J, Lawrence M. Thoracic Spine Manipulation Alleviates Hip Adduction Force Asymmetries Up to Forty-Eight Hours. American College of Sports Medicine Annual Meeting. Denver, CO.
Oct, 2022	*Dresser A, *Gallo C, *Tolzman J, *Chapel J, *Nevin C, *Clymer D, <b>Rosene J</b> . Vision training as a tool to improve neck reaction time and stiffness. New England American College of Sports Medicine Fall Meeting. Providence, RI.
Oct, 2022	*Familia Castro S, Michael T, *Campbell N, *Wilhelmson T, *Cardona M, *Norman B, *Whitehead C, <b>Visich P</b> . Bone mineral density in weight bearing and non-weight bearing exercise paired with resistance training. New England American College of Sports Medicine. Providence, RI.
Oct, 2022	*Campbell N, LaBotz M, <b>Visich P</b> . Physiological and Subjective Changes While Wearing a Facemask When Performing Exercise at Different Intensities. New England American College of Sports Medicine. Providence, RI.
Oct, 2022	*DeAngelo S, Swanson B, Somma M, Raymond J, Lawrence M. Thoracic Spine Manipulation Alleviates Hip Adduction Force Asymmetries Up to Forty-Eight Hours. American College of Sports Medicine Annual Meeting. Denver, CO.
Jun, 2022	Tice C, *Gallo C, Zhao H, Langford D, <b>Rosene J</b> . Head impacts and brain-derived blood biomarkers differ between male and female collegiate ice hockey players. National Neurotrauma Society Symposium. Atlanta, GA.
May 2022	Croteau, K., Eduljee, N., Murphy, L., & <b>Rosene, J.</b> Injuries in masters field hockey players competing in the 2018 World Cup: Comparisons of rate, location, and type by age, sex, and field hockey experience. American College of Sports Medicine Annual Meeting. San Diego, CA.

# **EVENTS**

### **Department Fall and Winter Alumni Events**

Each fall and winter the department hosts alumni events. During the fall we can be found tailgating during the homecoming football game. We invite all current students and alumni to put homecoming on your calendar and join use at the tailgate. We are always interested in what our alumni are doing and look forward to your continued involvement with the department.

During the winter we host a "hockey tailgate" at one of the UNE ice hockey games. This is an opportunity for alumni and current students to interact, network, and share experiences. Please keep an eye out for the announcement of the date of the 2024 ice hockey tailgate. Food, drink, and raffles are part of this fun evening. We look forward to seeing all current students and alumni.

For any questions about the upcoming alumni events, please reach out to Mim Powelson, administrative assistant for the department at <a href="mailto:mpowelson@une.edu">mpowelson@une.edu</a>.

### Exercise and Sport Performance Senior Day Celebration

A new tradition within the department is to have a senior celebration during senior week. We have included senior gifts, a flashback video and corn hole tournament. For the seniors graduating in 2024, start practicing and preparing now for your entry into the corn hole tournament.



### **FACULTY MESSAGES**

From Kristin. I was promoted to Clinical Professor and completed my second year as the NCAA Faculty Athletics Representative. In November, I was selected for and attended the NCAA Division III FAR Fellows Institute. In May, I was honored by the Maine Athletic Trainers' Association and inducted into the MATA Hall of Fame.

From Shireen. I was given the opportunity to teach DPT gross anatomy and am enjoying working with many AES students at the graduate level. I continue to teach gross also in the PA program—so it is gross, gross, gross year-round!!! I miss all of you in the hallways and in the lab!! I am now also serving as the interim program director for Nutrition. So, I am keeping myself busy. Looking forward to Casey's wedding—another, longer stay in Baxter State park, and a hopeful Buffalo Bill season-yet the multiple night games are throwing my driving schedule off!!! Hope all is well with everyone out there—be in touch-always love your life updates!!! You are all killing it!!!! Go Bills!

# CONGRATULATIONS TO THE DEPARTMENT OF EXERCISE AND SPORT PERFORMANCE CLASS OF 2023

### **APPLIED EXERCISE SCIENCE**

Anderson, Hannah Bagnoli,

Beauvais, Zachary Beyor, Kaylee Burke, Mackenzie

Chabre, Chris

Chappel, Jonathan Coiley, Cassidy

Crehan, Maeve DeAngelo, Samantha

Demattio, Coryne Dresser, Alison

Familia Castro, Sarah

Harkins, Matthew Abigail Healy, Brandon

Hixon, Maya Hoag, Evan Krenzer, Katrina Lamontagne, Chase Maheux, Jaymeson

McCarthy, Sean

Merrell, Chad Michaud, William Needham, Casey O'Toole, Maddison

Peters, William

Poulin, Kyle
Prentiss, Robert
Severance, Kaitlyn
Snowden, Trey
Swanson, Eleanor
Tavares, Ashlyn
Thornton, Adam

van der Merwe, Nicholas

West, Parker Wheeler, Gregg Whitcomb, Kati Wirth, Tristan

### ATHLETIC TRAINING HEALTH SCIENCE

Billings, Riley Boutin, Victoria Chapman, Ann Vienneau, Ryan

Dispoto, Ethan Hutchins, Nathaniel Matot, Trevor Waterman, Brenden Mitchell, Olivia O'Keefe, Aidan Tanis, Gavin

#### **ATHLETIC TRAINING MS**

Alyssa W. Ehrenfried Jordan Kaylee Strum Michelle Christine Barr Benjamin K Lui Kathryn Julia Wilmot Shane Patrick Alercio

Elizabeth Jane Scheurich Michaela Ann Davis

# ONWARD BUT ALWAYS HOME