Western University of Health Sciences College of Allied Health Professions Department of Physical Therapy offers the following Continuing Education course.

**From Cadaver to Case:**
A lower extremity multimodal learning experience integrating ultrasound imaging, virtual reality and cadaver prosections

**Saturday, June 3, 2017**
8:00 a.m. – 5:00 p.m.
check-in begins at 7:30

Register now at [https://commerce.cashnet.com/WesternU.PTCE](https://commerce.cashnet.com/WesternU.PTCE)

**Objectives**
Upon completion of this course the learner will:

- integrate anatomical structure and clinical presentation into clinical decision making.
- be able to identify anatomical structures involved for given lower extremity case presentation using a variety of learning strategies.
- be introduced to the variety of anatomical learning systems available in current PT practice and education.
- be able to identify LE muscular and cartilaginous structures using musculoskeletal imaging ultrasound.
- be able to hypothesize anatomical structures involved in lower extremity dysfunctions for future cases.

**Schedule:**

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>8:00 – 9:15 a.m.</td>
<td>Presentation of case 1 and Ultrasound experience</td>
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<tr>
<td>9:15 – 11:00 a.m.</td>
<td>Cadaver Lab presentation and exploration of relevant anatomy</td>
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<td>11:00 – 11:30 a.m.</td>
<td>Virtual Reality</td>
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<td>11:30 – 12:30 p.m.</td>
<td>Lunch</td>
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<td>12:30 – 1:45 p.m.</td>
<td>Presentation of case 2 with Virtual Reality and Ultrasound experience</td>
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<tr>
<td>2:00 – 4:00 p.m.</td>
<td>Cadaver Lab presentation and exploration of relevant anatomy</td>
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<tr>
<td>4:00 – 4:45 p.m.</td>
<td>Post-Test and open guided exploration and Q/A in the Cadaver lab</td>
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Instructors

Laurie Layton Boulware, PT, DPT, CSCS
Assistant Professor & Assistant Director of Clinical Education, Department of Physical Therapy Education, College of Allied Health Professions

Dr. Laurie Boulware earned a Master's degree in PT in 2003, garnered extensive experience in the field, then returned to school to pursue her Doctorate in Physical Therapy. She is an Assistant Professor, and the Assistant Director of Clinical Education at WesternU. She is an NSCA Certified Strength and Conditioning Specialist and an APTA Credentialed Clinical Instructor. Dr. Boulware is a member of the APTA, including the sections for Education and Orthopedics. She maintains her knowledge in Orthopedics and Education, as well as staying current in the complexities of Clinical Education by attending continuing education courses, annual APTA conferences, national and state conferences, and actively participating in a local clinical education consortium comprised of southern California PT and PTA schools. Dr. Boulware maintains her clinical skills by working with patients with orthopedic impairments through a private practice and is a licensed PT in the state of California.

Harsha Deoghare, PT, PhD
Associate Professor, Department of Physical Therapy Education, College of Allied Health Professions

Dr. Deoghare is a physical therapist with experience in acute care and ICU clinical practice, and he teaches Research Methodology and Evidence Based Practice track of the entry-level Doctor of Physical Therapy program at WesternU. Dr. Deoghare completed his PhD in Rehabilitation Science at University of Florida. His research focuses on respiratory muscle physiology and effects of disease or injury on respiratory function. He specifically investigates the use of imaging and other non-volitional evaluations of respiratory function in neuromuscular diseases. Dr. Deoghare is a member of the Imaging Special interest Group of the Orthopedic Section of APTA and he is interested in investigating methods of integrating imaging curriculum in physical therapist education programs.

Janet Konecne, PT, DPT, OCS, CSCS
Assistant Professor, Director of Clinical Education, Department of Physical Therapy Education, College of Allied Health Professions

Dr. Konecne is a physical therapist with experience in orthopedics, women’s health, sports medicine, and performing arts medicine, and she teaches Patient Care skills courses while performing as the Director of Clinical Education in the entry-level Doctor of Physical Therapy program at WesternU. Dr. Konecne completed her MS and post professional DPT at University of Southern California. Her research focuses on injury prevention and clinical reasoning development as it relates to clinical education of the PT. Dr. Konecne is a member of the Orthopedics, Geriatrics and Education sections of the APTA and is a member of the Private Practice and Performing Arts SIGs. She serves on the Board of the CPTA Private Practice SIG.

Lindsey Liggan, PT, DPT, PRPC
Instructor/Clinical Faculty, Department of Physical Therapy Education, College of Allied Health Professions

Dr. Liggan is a physical therapist with experience in orthopedic and pelvic health rehabilitation. She teaches physiology/pathophysiology and screening for medical referral in the entry-level Doctor of Physical Therapy program at WesternU. Dr. Liggan earned her Pelvic Rehabilitation Practitioner Certification (PRPC) through the Herman & Wallace Pelvic Rehabilitation Institute and since then she has undergone advanced training in musculoskeletal and pelvic ultrasound imaging and anatomy. She frequently serves as a guest lecturer and lab assistant for the pelvic and lower extremity anatomy throughout the DPT curriculum.

Steve Snyder, PT, DPT, CSCS
Assistant Professor, Department of Physical Therapy Education, College of Allied Health Professions

Dr. Steve Snyder is an Assistant Professor at Western University of Health Sciences Department of Physical Therapy Education. He is the course instructor for the Anatomy course series, faculty advisor for the Physical Therapy Advocacy Club and the Community Service Coordinator for the physical therapy students. Steven received his doctorate in physical therapy from Western University of Health Sciences in 2012. Steve’s research interests include development of teaching strategies designed to increase student engagement and understanding, and the use of technology such as virtual reality and mobile applications in physical therapy education. Steve is currently integrating social media, interactive applications, virtual reality and mobile technology with traditional cadaver dissection as delivery methods and teaching activities in the physical therapy department. In addition to his academic work, Steven also practices at a private outpatient orthopedic and sports facility.