E2 - Extremity Integration

Tuition: $595 (plus $190 per credit hour if taken for graduate credit)
Hours: 21 or 2.1 CEUs or 2 graduate credits
Prerequisite: E1 - Extremity Evaluation and Manipulation
Who Attends: Physical Therapists

This three day seminar is carried out in seminar format which includes lecture and lab. The content of this seminar highlights the interrelationships of extremity joint complexes, along with thorax and spinal influences with emphasis on kinetic chain events. Soft tissue and joint techniques for both examination and treatment are practiced in lab sessions. Clinical cases are presented for discussion of management and treatment based upon clinical reasoning skills.

Learning Outcomes:
At the completion of this seminar, the attendee should be able to:

- build on principles, concepts and manipulation techniques learned in E1 and S1 and MF1.
- correlate normal and abnormal anatomy and biomechanics to musculoskeletal dysfunctions of upper limb, lower limb and spine as related to kinetic chain events.
- integrate symptoms and musculoskeletal findings of selected dysfunctions to upper limb, lower limb, and spinal influences.
- perform and modify extremity examination strategies, manipulation techniques and soft tissue techniques to selected dysfunctions of upper limb, lower limb and spine.
- utilize clinical reasoning skills to analyze information gathered from examination findings based upon selected patient cases.
- observe and speculate for patterns of compensations with selected impairments.

DAY ONE	DAY TWO	DAY THREE
9:00 - 10:00 Welcome and Introduction	8:00 - 10:00 Thorax Related to Upper and Lower Extremities	8:00 - 10:00 Integration of Upper Extremities (continued)
10 AM BREAK	**10 AM BREAK**	**10 AM BREAK**
10:15 - 12:00 Principles, Theories and Concepts	10:15 -12:00 Integration of Lower Extremities	10:15 - 12:00 Integration of Upper Extremities (continued)
LUNCH HOUR	**LUNCH HOUR**	**LUNCH HOUR**
1:00 - 3:00 Thorax Related to Upper and Lower Extremities	1:00 - 3:00 Integration of Lower Extremities (continued)	1:00 - 3:15 Integration of Extremities to Spine Conclusion
3 PM BREAK	**3 PM BREAK**	
3:15 - 5:30 Thorax Related to Upper and Lower Extremities	3:15 - 5:30 Clinical Management Integration of Lower Extremities	

2/11

Catherine E. Patla, PT, DHSc, OCS, MTC, FAAOMPT
Associate Professor

AS	Physical Therapy Assistant, Fairleigh Dickinson University, Madison, NJ
BS	Biology, Fairleigh Dickinson University, Madison, NJ
Certificate in PT	University of Pennsylvania, Philadelphia, PA
MMSc	Orthopaedics and Education, Emory University, Atlanta, GA
DHSc	University of St. Augustine for Health Sciences, St. Augustine, FL
MTC	Institute of Physical Therapy, St. Augustine, FL
OCS	American Board of Physical Therapy Specialties (ABPTS)

Catherine E. Patla received a Doctor of Health Science from University of St. Augustine for Health Sciences (USA) in September 1998. Dr. Patla is a 1976 graduate of University of Pennsylvania Certificate program and obtained a Master of Medical Science Degree in Orthopaedic Physical Therapy from Emory University in 1988. Dr. Patla has also received a Manual Therapy Certification from Institute of Physical Therapy and is an Orthopaedic Specialist from ABPTS. She is a practicing clinician and residency director at the University of St. Augustine for Health Sciences. She is also a fellow of the American Academy of Orthopaedic Manual Therapy (AAOMPT).

A member of Institute of Physical Therapy's faculty since 1979, Dr. Patla's current interests are in extremity orthopaedics, reliability and validity of end-feel, and critical thinking. She teaches in the University's first professional Doctor of Physical Therapy and Occupational Therapy degree programs.

Erin Conrad, PT, DPT, MS, OCS, MTC, FAAOMPT
Assistant Professor

DPT	University of St. Augustine for Health Sciences, St. Augustine, FL
MS	California University of Pennsylvania, California, PA
OCS	American Physical Therapy Association
MTC	University of St. Augustine for Health Sciences, St. Augustine, FL
FAAOMPT	Fellow American Academy of Orthopaedic Manual Physical Therapists

In addition to academic degrees she has received the Manual Therapy Certification through the University of St. Augustine, as well as, a Corrective Exercise Specialist Certification through NASM and Orthopaedic Certified Specialist through the APTA. She completed a Fellowship in Manual Therapy through the American Academy of Orthopedic Manual Therapy in 2007.

Currently Dr. Conrad is the Director of the Residency and Fellowship programs and an Assistant Professor at the University of St. Augustine. She also teaches in the Flex, Continuing Education and online distance education for transitional degrees at the University of St. Augustine. Dr. Conrad works Part Time in an Outpatient Physical Therapy Clinic. Her post-graduate clinical experiences include: Outpatient Orthopaedics, Home Health, Neuro Rehabilitation, and Geriatrics.