

## DULA Doctorate Syllabus

### DSP 714, Neuro-Musculoskeletal: Lower Extremities

#### COURSE INFORMATION

Course Number, Title:	DSP 714, Neuro-Musculoskeletal: Lower Extremities
Number of Hours/Units:	40 hours/4 units
Prerequisites:	None
Course Schedule:	<i>[type your class day and time in here, for example: Thursday, 10AM-1PM]</i>
Course Instructor (email):	<i>[type your name, degree title and email address in here, for example: xxx, L.Ac., abcde@dula.edu]</i>
Instructor Office Hours:	<i>[type your available time to meet outside of classroom hours, for example: "After class, or by appointment"]</i>

#### COURSE DESCRIPTION

This course is a structural of the 4 series of neuro-musculoskeletal disorders especially on the management of the neuro-musculoskeletal pain related. The course will integrate from structural anatomy and physiology to the differential diagnosis, diagnosis, and prognosis as well as the treatment plan. The treatment plan will cover from Oriental Medicine approach such as herbs, tuina and nutrition, but overall will mainly focus on tissue-based systematic acupuncture. Tissue-based systematic acupuncture is a systematic acupuncture method that integrates acupuncture systems and techniques in Oriental Medical classics *Huang Di Nei Jing* with Western Medical Anatomy and Physiology. The concept of tissue-based system specific to body areas and zones are explained in terms of how the method may related to clinical application, local and distal points, physical assessment, and treatment application protocols. This acupuncture approach addresses specific tissue to the effective local and distal acupuncture treatment mechanism and therefore may increase practitioner's knowledge of Western Biomedicine, clinical results, quality of patient care.

This course will address specifically for lower extremities region.

#### LEARNING OBJECTIVES

- Understand issues and mechanisms associated with specific body areas especially related to neuromuscular disorders and pain management (lower extremities)
- Perform physical assessment for specific body areas (lower extremities)
- Apply appropriate diagnosis, understand the differential diagnosis, prognosis and treatment plan related to neuromuscular disorders of specific body areas (lower extremities)
- Clear understanding of the concept of Tissue-based systematic acupuncture treatment and method, including understanding on anatomy and physiology pathways and how it relates to acupuncture mechanism
- Clear understanding of the selection and application of local and distal points to address neuromuscular issues for specific body areas (lower extremities)
- Clear understanding of how Oriental Medical classic may integrate to the modern Western Biomedicine related to specific body areas (lower extremities)

- Understand and able to apply Oriental Medical treatment modalities related to neuromuscular disorders of specific body areas (lower extremities)

**CORRELATION OF THE CLASS TO THE DAOM EDUCATIONAL OBJECTIVES**

- ( O ) Competently apply the advanced diagnosis and treatment skills of the program’s core Oriental Medicine curriculum
- ( ) Demonstrate competency in critical application of evidence-based medicine towards research, scholarship, and patient-care
- ( ) Demonstrate competency in application of advanced Traditional Korean Medicine theories and modalities within the program’s specialty
- ( ) Demonstrate ability to educate others in Acupuncture and Oriental Medicine
- ( O ) Demonstrate competency in integrative medical practices to advance Oriental Medicine and effectively collaborate on patient care with other healthcare systems
- ( O ) Demonstrate competency in engaging in “best practices” in patient-centered clinical management

**TEACHING METHODS**

Lecture	In-class discussion	Hands-on practical training	Demonstration	Oral Presentation	Audio and/or visual tutorial segments	Off-campus field trips	Off-campus speakers/ consultants
O	O	O	O	O	O		

Other (explain): \_\_\_\_\_

**INSTRUCTIONAL MATERIALS**

Required Text(s):

1. April D. Armstrong et al. Essentials of Musculoskeletal Care. 5<sup>th</sup> Edition. 2016, American Academy of Orthopaedic Surgeons and American Academy of Pediatrics.
2. Frank H. Netter. Atlas of Human Anatomy. 6th Edition. 2014, Elsevier.
3. Porter and Robert. The Merck Manual, Porter. 20th Edition. 2018, Merck & Co., INC.
4. Paul U. Unschuld. Huang Di Nei Jing Ling Shu. 2016, University of California Press.
5. Yun Tao Ma. Biomedical Acupuncture for Sports and Trauma Rehabilitation: Dry Needling Techniques. 2011, Churchill Livingstone and Elsevier, St. Louis, MO.
6. Flaws and Sionneau. The Treatment of Modern Western Medical Diseases with Chinese Medicine: A Textbook and Clinical Manual. 2001, Blue Poppy Enterprises.
7. Lynn S. Bickley. Bates’ Guide to Physical Examination and History Taking. 12<sup>th</sup> Edition. 2017, Wolters Kluwer.

**[type the required texts in here]**

Recommended Text(s):

1. David Mayor. Electroacupuncture: A Practical Manual and Resource. 2006, Elsevier.
2. Whitfield Reaves. The Acupuncture Handbook of Sports Injuries and Pain: A Four Steps Approach to Treatment. 2009, Hidden Needle Press.
3. E.R. Kandel, J.H. Schwartz, T.M. Jessell. Principles of Neural Science. 5th Edition. 2012, McGraw-Hill.

[type the recommended texts in here]

In-class Text: [type in-class handouts or other materials here]

Online resources: [type online resources here]

**COURSE REQUIREMENTS**

Course Requirement Clarification	Percentage Breakdown for Final Grade
<b>Regular Attendance</b> (mandatory - please refer to attendance policy mentioned in this syllabi)	10%
<p><b>Out-of-classroom work:</b>  <i>To successfully complete the course, student is also required to plan studying minimum of 2 hours out-of-class for each 1 hour of academic in-class hour; and half an hour out-of-class for each hour of clinical training.</i></p> <ul style="list-style-type: none"> <li>• Read and analyzes the required texts and various references including published scientific articles, papers, case study reports, related to the topic that you learnt in the class and also for the topic of the following week class.</li> <li>• Student also need to practice the related technique that has been covered in the class for this out-of-classroom work.</li> <li>• Student’s critical thinking, opinions and discussions in each of the following classes are important as part of the learning process in the doctoral program.</li> </ul> <p>[type the type of assignment in here]</p>	<p>[type the percentage here, for example: 20%]</p>
<p><b>Midterm Assignment:</b>            Student select various published case studies or scientific articles that related this class, write their own analysis and opinion related to their selected papers, and present this through oral presentation in the class. Student may also opted to write down the case study report from their own clinical practice experience supported with scientific references, analyze, input their opinion, idea and present this project through oral presentation in the class.</p> <p>[type your midterm assignment in here]</p>	<p>[type the percentage here, for example: 35%]</p>
<p><b>Final Assignment:</b>            Student select various published case studies or scientific articles that related this class, write their own analysis and opinion related to their selected papers, and present this through oral presentation in the class. Student may also opted to write down the case study report from their own clinical practice experience supported with scientific references, analyze, input their opinion, idea and present this project through oral presentation in the class.</p> <p>[type your final exam assignment in here]</p>	<p>[type the percentage here, for example: 35%]</p>
<b>Total:</b>	<b>100%</b>

**COURSE SCHEDULE**

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Out-of-classroom Work – Minimum 8 hours / week</b>
1	[type date here]	Structural and integrated anatomy and physiology of hip, pelvis and thigh region  Common neuromuscular disorders related to hip, pelvis and thigh region	Essentials of Musculoskeletal Care, Netter (Please read the materials related to today's topic)
2	[type date here]	Structural and integrated anatomy and physiology of knee and lower leg region  Common neuromuscular disorders related to knee and lower leg region	Essentials of Musculoskeletal Care, Netter (Please read the materials related to today's topic)
3	[type date here]	Structural Physical Exam related to hip and pelvis region  Differential Diagnosis, diagnosis and prognosis of neuromuscular disorders related to hip and pelvis region  Practice physical exam	Bates, Merck Manual, Essentials of Musculoskeletal Care (Please read the materials related to today's topic, practice physical exam)
4	[type date here]	Structural Physical Exam related to knee region  Differential Diagnosis, diagnosis and prognosis of neuromuscular disorders related to knee region  Practice physical exam	Bates, Merck Manual, Essentials of Musculoskeletal Care (Please read the materials related to today's topic, practice physical exam)
5	[type date here]	Structural Physical Exam related to thigh and lower leg region  Differential Diagnosis, diagnosis and prognosis of neuromuscular disorders related to thigh, lower leg region  Practice physical exam	Bates, Merck Manual, Essentials of Musculoskeletal Care (Please read the materials related to today's topic, practice physical exam)
6	[type date here]	<b>MIDTERM ASSIGNMENT – ORAL PRESENTATION</b>	Review Midterm Assignment
7	[type date here]	Integrated Tissue Based Systematic Acupuncture and OM Treatment for the neuromuscular disorders of hip, pelvis and thigh region  Practice needling technique	Essentials of Musculoskeletal Care, Ling Shu, Yun Tao Ma, Flaws and Sionneau (Please read the materials related to today's topic, practice physical exam and needling technique)

8	[type date here]	Integrated Tissue Based Systematic Acupuncture and OM Treatment for the neuromuscular disorders of knee and lower leg region  Practice needling technique	Essentials of Musculoskeletal Care, Ling Shu, Yun Tao Ma, Flaws and Sionneau (Please read the materials related to today's topic, practice physical exam and needling technique)
9	[type date here]	Comprehensive Integrated Tissue Based Systematic Acupuncture and OM Treatment for the neuromuscular disorders of overall lower extremities region  Practice physical exam and needling technique	Essentials of Musculoskeletal Care, Ling Shu, Yun Tao Ma, Flaws and Sionneau (Please read the materials related to today's topic, practice physical exam and needling technique)
10	[type date here]	<b>FINAL ASSIGNMENT – ORAL PRESENTATION</b>	Review Final Assignment

### GRADING POLICY & EVALUATION

P	(pass) Satisfactory completion of all required coursework. A percentage of 75% will be required to receive a Pass
F	(fail) Unsatisfactory completion of coursework.
W	(withdraw)
I	(incomplete)
IP	(in progress)

*Please reference the DAOM Catalog for more information regarding the University's grade point system.*

### ATTENDANCE POLICY

University policy requires that attendance is factored in as at least 10% of a student's final grade. Students with more than 2 unexcused absences will be considered to automatically fail a course, and 3 marks of tardiness will be counted as 1 absence.

*Please reference the DAOM Catalog for more information regarding this policy.*

### ACADEMIC DISHONESTY

Academic dishonesty includes providing or receiving answers from other students during or after an examination, plagiarism, knowing use of illegally copied educational material in any format, using informational aids such as "crib sheets" or other types of notes during an examination (if not allowed), or anything else that might reasonably be construed as cheating. Students who are found to be academically dishonest will automatically receive an "F" in that particular course and are subject to dismissal or suspension for 1 quarter, and may be placed on administrative probation.

## STUDENTS WITH DISABILITIES

Dongguk University Los Angeles is committed to providing support services to achieve equal access to the education experience. The Student Services Coordinator is available to provide assistance for students who exhibit significant difficulties due to a disability. DULA will support students to understand his/her limited abilities and compensate for them with ADA accommodations and alternative resources as well. Registration for assistance from the Student Services Coordinator is on a voluntary, self-identifying basis. However, services are only available after a student has registered and presents current documentation of the disability from an appropriate specialist or physician. All information and documentation are confidential.

*Please refer to the DAOM Catalog for more information regarding this policy and procedure.*

## SPECIAL NOTES

*[type here for additional notes]*