

## DULA Doctorate Syllabus DSP 812, AOM-Pharmaceutical Interactions

### COURSE INFORMATION

Course Number, Title:	DSP 812, AOM-Pharmaceutical Interactions
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., xxx@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 considers the emerging body of evidence around drug-herb interactions, which is a concern that affects the larger cultural domain in which this medicine is practiced and may have historic implications in the progress of this profession. The potential interactions between Oriental Medicine herbs/formulas and pharmaceutical drugs have increasingly been a topic of concern to many people today as a result of collaboration between Oriental and Western medical modalities. This course addresses the different aspects of herb/formula/drug interactions, ranging from complementary to toxic. Upon completion of this module, students will understand the pharmacological nature of medicinal herbs/formulas, demonstrate knowledge of potential interactions between medicinal herbs and pharmaceutical drugs, and demonstrate enhanced case management skills regarding management of drug-herb interactions.

### LEARNING OBJECTIVES

- To understand the pharmacological nature of medicinal herbs/formulas
- To demonstrate knowledge of potential interactions between medicinal herbs and pharmaceutical drugs
- To demonstrate enhanced case management skills regarding management of drug-herb interactions
- To have advanced discussion of the theory and application on selected common diseases or problematic diseases
- To enhance knowledge of the diseases in both traditional Chinese medicine and conventional medicine
- To identify pathophysiological keys of selected cases from conventional medicine and alternative and complementary medicine aspects

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

- ( ) 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
- ( O ) 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			

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

**INSTRUCTIONAL MATERIALS**

- Required Text(s): Chinese Medical Herbology and Pharmacology. Chen. Art of Medicine Press, California, 2004.  
 Chinese Herbal Formulas and Applications: Pharmacological Effects and Clinical Research. Chen. Art of Medicine Press, California, 2009.
- Recommended Text(s): Current Medical Diagnosis & Treatment, Papadakis, Maxine, Mc Graw Hill Education (2015)  
 The Merck Manual, Porter, Robert, 19th Edition, Merck & Co., INC (2011)  
 Herbal Products: Toxicology and Clinical Pharmacology, 2<sup>nd</sup> Edition. Timothy Tracy et al. Humana Press, New Jersey, 2007.  
 Chinese Herbal Medicine: Formulas & Strategies, Bensky, 2<sup>nd</sup> Edition, Eastland Press (2009).
- 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>            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. 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.  <i>[type the type of assignment in here]</i></p>	<p><i>[type the percentage here, for example: 20%]</i></p>
<p><b>Midterm Assignment:</b>            Oral Presentation: Project Paper Presentation 1            Student select one interest topic related to this class and review various scientific papers, case study reports, references related to their selected topic. Student then do their comparison analysis and reflect their idea for the application to approach current clinical practice, challenges and possible future development as their project paper. This project will then be presented in the class followed by Q/A and discussions will be conducted among students and instructor.  <i>[type your midterm assignment in here]</i></p>	<p><i>[type the percentage here, for example: 35%]</i></p>
<p><b>Final Assignment:</b>            Oral Presentation: Project Paper Presentation 2            Student select one interest topic related to this class (different with their first project) and review various scientific papers, case study reports, references related to their selected topic. Student then do their comparison analysis and reflect their idea for the application to approach current clinical practice, challenges and possible future development as their project paper. This project will then be presented in the class followed by Q/A and discussions will be conducted among students and instructor.  <i>[type your final exam assignment in here]</i></p>	<p><i>[type the percentage here, for example: 35%]</i></p>
<b>Total:</b>	<b>100%</b>

## COURSE SCHEDULE

Week	Date	Topic	Out-of-classroom Work – minimum 8 hours / week
1	<i>[type date here]</i>	Introduction to Integrative Pain Pharmaceutical Interactions Concurrent use of Chinese herbs and pharmaceutical drugs Chinese herbs: beneficial effects, caution and contraindication to pregnancy	Chinese Medical Herbology and Pharmacology Part 1  Chinese Herbal Formula and Applications Part 1
2	<i>[type date here]</i>	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Exterior releasing herbs, Heat-clearing herbs, Wind-damp dispelling herbs	Chinese Medical Herbology and Pharmacology Chapter 1,2,4

			Chinese Herbal Formula and Applications Chapter 1,5,6,17
3	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Downward draining herbs, Aromatic damp-dissolving herbs, Water-regulating and damp-resolving herbs	Chinese Medical Herbology and Pharmacology Chapter 3,5,6  Chinese Herbal Formula and Applications Chapter 2,16
4	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Interior-warming herbs, digestive herbs, anti-parasitic herbs	Chinese Medical Herbology and Pharmacology Chapter 7,9,10  Chinese Herbal Formula and Applications Chapter 7,19,20
5	[type date here]	<b>MIDTERM PROJECT PRESENTATION</b>	Revision of Midterm Project Assignment
6	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Qi-regulating herbs, blood-invigorating herbs, stop bleeding	Chinese Medical Herbology and Pharmacology Chapter 8,11,12  Chinese Herbal Formula and Applications Chapter 12,13
7	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Phlegm-resolving and coughing-wheezing-relieving herbs, Emetic herbs	Chinese Medical Herbology and Pharmacology Chapter 13,19  Chinese Herbal Formula and Applications Chapter 18,21
8	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Tonic herbs, Astringent herbs	Chinese Medical Herbology and Pharmacology Chapter 17,18

			Chinese Herbal Formula and Applications Chapter 8,11,15
9	[type date here]	Potential Interactions between Chinese Herbs and Formula with Pharmaceutical Drugs: Shen-calming herbs, Liver-calming and wind-extinguishing herbs, Orifice-opening herbs, Substances for topical application	Chinese Medical Herbology and Pharmacology Chapter 14,15,16,20  Chinese Herbal Formula and Applications Chapter 9,10,14,22
10	[type date here]	<b>FINAL PROJECT PRESENTATION</b>	Revision of Final Project 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]*