Course Descriptions for Doctor of Acupuncture and Oriental Medicine

CD700 Clinical Research Design
Prerequisite: None
This course covers an overview of the basic research strategies, methods, and goals of clinical research. Topics include study design, data analysis and interpretation, and determination of appropriate methodologies to answer different research questions. Participants will learn about bias and confounding in observational research, the clinical value of diagnostic tests, the use of cross-sectional, case-control and cohort study designs, and various statistical modeling used in clinical research. This course also includes Evidence-based medicine (EBM), which is designed to make students to apply more uniformly the standards of evidence gained from the scientific method to certain aspects of integrative medical practice. Specifically, EBM course seeks to assess the quality of evidence relevant to the risks and benefits of Acupuncture and Oriental Medical treatments, help students to search the conscientious, explicit and judicious use of current best evidence in making decisions about the care of individual patients.

CT700 Advanced Practice Management
Prerequisite: None
This course helps doctoral students enhance clinical practice through the understanding of healthcare systems and the effective use of insurance billing and record keeping skills for practice management. Enhancing management skills, communications with the insurance company, relationships with the patients, and record keeping, and marketing methods will be covered. This course also includes general concepts and requirements of the learning portfolio. It introduces doctoral students to the development of the portfolio with artifacts/student work/reflection earned from didactic and clinical training.

OM700 Classical Internal Medicine A
Prerequisite: None
This course covers the fundamental theory and practice of Acupuncture and Oriental Medicine as provided in the Huang Di Nei Jing. Diagnosis and treatment methods as provided in the Huang Di Nei Jing are also covered.

OM701 Classical Internal Medicine B
Prerequisite: None
This course covers the fundamental theory and practice of Acupuncture and Oriental Medicine as provided in the Huang Di Nei Jing. Diagnosis and treatment methods as provided in the Huang Di Nei Jing are also covered.

OM710 Classical Formulas
Prerequisite: None
This course covers the fundamental theory and practice of herbal formulas as presented in various classical text, include but not limited to, Jin Gui Yao Lue (Essential Prescriptions from the Golden Cabinet), Shang Han Lun (Discussion of Cold-Induced Disorders), Qian Jin Yao Fang (Essential Formulas for Emergencies [Worth] a Thousand Pieces of Gold), Dongui Bogam (Mirror of Eastern Medicine), Wen Bing (Systematic Differentiation of Warm Disease).

OM720 Logics of Oriental Medicine
Prerequisite: None
This course covers the historical development of Acupuncture and Oriental medicine throughout different region and different era in Asian society. Fundamental theories and logics behind various schools of thoughts, include but not limited to, Wen Bu (Gently Tonify) 溫補學派, Jin Yuan Si Zi 金元四子學派, Shang Han 傷寒學派, Wen Bing 溫病學派, Jing Fang 經方學派.

OM730 Advanced Oriental Medicine Diagnosis
Prerequisite: None
This course covers different aspect of diagnostic methods and fundamental treatment principles based on various schools of thought, including but not limited to, Wen Bu(Gently Tonify) 溫補學派。Jin Yuan Si Zi 金元四子學派, Shang Han 傷寒學派, Wen Bing 溫病學派 in Oriental Medicine.

AC700 Advanced Acupuncture Theory & Therapy
Prerequisite: None
This course focuses on a study of Master Tong's Acupuncture Theory and Needling Techniques. An introduction of Master Tong's background, a comprehensive Master Tong's acupuncture theory, special acupuncture point locations and indications, diagnostic methods, needling techniques and clinical application will be covered.

AC710 Special Acupuncture Theory & Therapy
Prerequisite: None
This course focuses on a study of various acupuncture theory and therapy currently practiced in mainstream acupuncture society today. Studies may include but not limited to; Saam Acupuncture, Korean Hand Acupuncture, Bo (Abdominal) Acupuncture, Zhu's Scalp Acupuncture and Ear Acupuncture. An introduction, background and a comprehensive acupuncture theory, special acupuncture point locations and indications, diagnostic methods, needling techniques and clinical application will be covered.
BM700 Medical Microbiology and Immunology  
4 units / 40 hours  
Prerequisite: None  
This is a multidisciplinary course which includes biochemical, genetic, molecular biological and immunological aspects of the potential pathogens within the host environment. Mechanisms and processes of bacterial, viral, fungal and parasites pathogenicity; microbial transmission; host-parasite interaction; uses of and resistance to antimicrobial agents; public health and the control of infectious diseases are covered. Basic immunology, which includes natural immunity, acquired immunity, antigen recognition, cell-mediated immune responses, humoral immune responses, immunologic tolerance and autoimmunity, hypersensitivity diseases, immune response in tumors and transplants, congenital and acquired immunodeficiency are covered.

BM710 Biomedical Assessment & Diagnosis  
4 units / 40 hours  
Prerequisite: None  
This course discusses various biomedical procedures used in diagnosing the different types of diseases. Clinical applications of various diagnostic imaging (X-ray, MRI, CAT scan, PET, etc.) that helps in diagnosing diseases especially chest, abdomen and joint diseases are introduced. Laboratory tests (stool, urine and blood tests; CBC; basal metabolic tests, etc.) interpretation is covered. The course also covers the normal ECG, and its variations in different heart diseases.

PM700 Advanced Pain Management  
4 units / 40 hours  
Prerequisite: None  
This course is designed to introduce the doctoral students with adequate pain management of patients, which include pathophysiology of pain, influencing factors, assessment of techniques, and interventions, both western and oriental medicine point of view. Evidence based acupuncture needling mechanism will be addressed to help students build up strong scientific background for acupuncture treatment for pain management. The medical conditions which is most commonly associated with pain and their treatment with AOM modalities including acupuncture treatment, acupressure, qigong, herbs and dietary supplements will be addressed.

IM700 Integrative Geriatrics  
4 units / 40 hours  
Prerequisite: None  
This course focuses on intervention with elderly patients at micro and macro levels. Major areas of discussion include advocacy and empowerment, long term care, geriatric assessment, coping with age-related changes, guardianship, adult protective services, conflict resolution, and care giving. It also addresses the medical conditions that are most common, most serious, or most troublesome to older adults. Critical information about cancers, coronary artery diseases, and other common diseases, as well as the geriatric syndromes such as dementia, delirium, and falls are presented. The course introduces a comprehensive AOM treatment for commonly encountered senile diseases and therapies such as herbal therapy, acupuncture, moxibustion, Qigong, massage, diet therapy, etc., in addition to procedures to live a healthy long life.

IM710 Integrative Gynecology  
4 units / 40 hours  
Prerequisite: None  
This course is designed to provide deep understanding and advanced knowledge of gynecological problems from both Biomedical and AOM perspective. Integrative approaches for menstrual disorders, infertility, breast cancer, post-menopausal syndrome, pelvic inflammatory disease will be emphasized.

IM720 Integrative Pediatrics  
4 units / 40 hours  
Prerequisite: None  
This course is designed to prepare the doctoral students to perform AOM diagnosis and treatment of commonly encountered pediatric diseases. Etiology, pathology, diagnostic assessment skills, and therapeutic approaches from both Biomedical and Acupuncture and Oriental Medicine point of view will be discussed.

IM740 Integrative Neurology  
4 units / 40 hours  
Prerequisite: None  
This course provides the doctoral students with an in-depth understanding of integrated pathophysiology, neurological evaluation and assessment. Disorder of motor system, sensation, cranial nerves, autonomic function, Raynaud's disease, and Alzheimer will be discussed in this course. Correlation with the theories of the AOM and its clinical applications is addressed.

IM750 Integrative Physiology  
4 units / 40 hours  
Prerequisite: None  
The course consists of two parts. The first part provides an understanding of the physiological balance and homeostasis of the Oriental Medicine theories in health and illness. In addition, the course will explain the role of the main organs in the balance mechanism and its relation to the modern concepts. The second part provides a comprehensive study of the Oriental Medicine theories in the vitality of the five organs and its relation to the modern concepts of endocrine system. Furthermore, the role of the endocrine system in maintaining homeostasis and the relationship of the nervous system to the endocrine system will be discussed.
Cl850 Clinical Research Project
Prerequisites: Completion of a minimum of 24 units of didactic courses and CD700 Clinical Research Design; Licensed to practice.
This is the final phase of the program. Students are required to meet with doctoral research coordinator and research advisor to propose the topic with a brief statement for clinical research project prior to starting this component. Doctoral students must show their ability to read and understand scholarly research and to use it to support their own ideas and opinions. Students must demonstrate an integration of the knowledge and skills required in the doctoral curriculum by successfully completing a clinical research project. This project must demonstrate critical thinking skills and writing skills as a professional in the field of Acupuncture and Oriental Medicine. The format of an individual clinical project must follow academic form and style standards suitable for peer-reviewed professional publications. In order to successfully complete these components, students are required to submit and present the results in a defense presentation and to be approved by the Doctoral Research Committee and are recommended to publish in a professional journal.