

Doctoral Curriculum Course Descriptions

ACUPUNCTURE AND CHINESE MEDICINE

CM750 Advanced Orthopedics 1 [1cr/15hrs] *Dual Degree and Pro Tracks.* Doctoral students assess orthopedic conditions using neurological assessments for common musculoskeletal issues and the associated pain mechanisms. Interns review and practice Chinese diagnostic method of palpation, observation, and questioning. Students also combine biomedical orthopedic and neurological tests with Chinese medicine diagnostics to develop effective treatment plans and prognoses. Students communicate to foster relationships with western medicine practitioners through referrals, and to discuss patient condition and progress. This course addresses the neck, shoulder, upper back, elbow, and wrist complaints. **Prerequisite:** CM707 or basic CM orthopedics course

CM751 Neurology [1cr/15hrs] *Dual Degree and DAHM Pro Track.* Doctoral students analyze neurologic conditions of cerebrovascular accidents (CVAs), multiple sclerosis, and seizure disorders using both the western medical paradigm and Chinese medicine concepts. Students develop acupuncture and herbal medicine formulas to treat specific neurological disorders. Students identify appropriate referrals for neurological conditions. Students evaluate the potential chemical interactions of herbs and supplements when treating neurological conditions. They also explore cutting-edge neurobiological research and reflect on the impact of this on neurological condition treatment. **Prerequisite:** CM606, CM608, or equivalent

CM791 Neurology [1cr/15hrs] *DAC Pro Track.* Doctoral students analyze neurologic conditions of cerebrovascular accidents (CVAs), multiple sclerosis, and seizure disorders using both the western medical paradigm and Chinese medicine concepts. Students develop acupuncture to treat specific neurological disorders. Students identify appropriate referrals for neurological conditions. Students evaluate the potential chemical interactions of supplements when treating neurological conditions. They also explore cutting-edge neurobiological research and reflect on the impact of this on neurological condition treatment. **Prerequisite:** CM606, CM608, or equivalent

CM753 Advanced Endocrinology [1cr/15hrs] *Dual Degree and DAHM Pro Track.* Doctoral students explore the functioning of the complex endocrine system and its related organs. They analyze endocrine conditions such as diabetes and abnormalities of thyroid, adrenal, and reproductive system function from both Chinese and biomedical paradigms. Students develop diagnoses and integrated treatment plans for endocrine disorders based on Chinese medicine diagnostics using results from biomedical laboratory tests. Students will evaluate the potential chemical interaction of herbs and supplements with pharmaceuticals. They will study the effects and side effects of common pharmaceuticals and how these effects may impact their Chinese Medical treatments. Students identify appropriate biomedicine referrals for endocrine conditions. **Prerequisite:** CM606, CM608, WM631, or equivalent

CM783 Advanced Endocrinology [1cr/15hrs] *DAC Pro Track.* Doctoral students explore the functioning of the complex endocrine system and its related organs. They analyze endocrine conditions such as diabetes and abnormalities of thyroid, adrenal, and reproductive system function from both Chinese and biomedical paradigms. Students develop diagnoses and integrated treatment plans for endocrine disorders based on Chinese medicine diagnostics using results from biomedical laboratory tests. Students will evaluate the potential chemical interaction of supplements with pharmaceuticals. They will study the effects and side effects of common pharmaceuticals and how these effects may impact their Chinese Medical treatments. Students identify appropriate biomedicine referrals for endocrine conditions. **Prerequisite:** CM606, CM608, WM631, or equivalent

CM754 Cardiology [1cr/15hrs] *Dual Degree and DAHM Pro Track.* Doctoral students analyze cardiac disorders, using both the western medical paradigm and Chinese medicine concepts and energetics. Students review the physiology of the cardiovascular and circulatory systems as the foundation for analyzing cardiac disorders. They develop acupuncture and herbal medicine formulas to treat specific cardiac disorders. Students will evaluate the potential chemical interaction of herbs and supplements with pharmaceuticals. They will study the effects and side effects of common pharmaceuticals and how these effects may impact their Chinese Medical treatments. Students integrate cardiac research and reflect on the impact of this on cardiac treatment. Students identify appropriate referrals for cardiac conditions. **Prerequisite:** CM606, CM608, WM631 or equivalent

CM784 Cardiology [1cr/15hrs] *DAC Pro Track.* Doctoral students analyze cardiac disorders, using both the western medical paradigm and Chinese medicine concepts and energetics. They develop acupuncture treatment protocols to treat specific cardiac disorders. Students will evaluate the potential chemical interaction of supplements with pharmaceuticals. They will study the effects and side effects of common pharmaceuticals and how these effects may impact their Chinese Medical treatments. Students integrate cardiac research and reflect on the impact of this on cardiac treatment. Students identify appropriate referrals for cardiac conditions. **Prerequisite:** CM606, CM608, WM631 or equivalent

CM850 Advanced Orthopedics 2 [1cr/15hrs] *Dual Degree and Pro Tracks.* Doctoral students assess orthopedic conditions using neurological assessments for common musculoskeletal issues and the associated pain mechanisms. Interns review and practice Chinese diagnostic methods of palpation, observation, and questioning. Students also combine biomedical orthopedic and neurological tests with Chinese medicine diagnostics to develop effective treatment plans and prognoses. Students communicate to foster relationships with physicians through referrals, and to discuss patient condition and progress. This course addresses spine, low back, hip, leg, knee, ankle and foot complaints. **Prerequisite:** CM707, or introductory course to sinew channels or CM orthopedics

CM851 Obstetrics [1cr/15hrs] *Dual Degree and Pro Track*. Doctoral students analyze common obstetric conditions from a Chinese medicine perspective. Students identify safe, effective approaches to address common complaints of pregnancy and enhance recovery from childbirth. These approaches include acupuncture, dietary therapy, and herbal formulas for support throughout pregnancy. Students evaluate the potential interactions of herbs and supplements when treating obstetric conditions. Students identify appropriate referrals for obstetric conditions. **Prerequisite:** CM606, CM608, CM805 or equivalent

CM891 Obstetrics [1cr/15hrs] *DAC Pro Track*. Doctoral students analyze common obstetric conditions from a Chinese medicine perspective. Students identify safe, effective approaches to address common complaints of pregnancy and enhance recovery from childbirth. These approaches include acupuncture and dietary therapy for support throughout pregnancy. Students evaluate the potential interactions of supplements when treating obstetric conditions. Students identify appropriate referrals for obstetric conditions. **Prerequisite:** CM606, CM608, CM805 or equivalent

BIOMEDICINE

WM650 Basic & Biological Physics [.5cr/7.5hrs] *Dual Degree*. Doctoral students will learn the basic principles of physics and biophysics, beginning with a general introduction to the basic laws and principles of general physics. Topics include motion, states of matter, electricity, radioactivity, and common topics in biological physics. Students explore the interplay between energy, information and life processes. Students are introduced to general and applied physics that will assist them in understanding how the body works and more specifically how their acupuncture treatments may influence body processes.

WM651 Basic Chemistry [.5cr/7.5hrs] *Dual Degree*. Doctoral students will learn the basic principles of chemistry, including organic, inorganic chemistry, and biochemistry. Basic concepts are presented to prepare students for coursework in pathophysiology and nutrition. *Pro Track students may use this course to meet program entry prerequisite requirement for chemistry.*

WM750 Research and Evaluation 1 [1cr/15hrs] *Dual Degree and Pro Tracks*. This is the first course in a two-course sequence. Doctoral students analyze modern acupuncture and Asian/Chinese medicine literature presented in peer reviewed journals. Students discuss the basics of research and evaluation as it relates to Chinese medicine. This will include discussing descriptive statistics, as well as determining the appropriateness of common inferential statistical tests often used in research. Students analyze Chinese medicine articles for significance in clinical practice. Students examine and critique research methods used in healthcare research, including study design, research methodology, strengths, limitation bias, and the interpretation of research findings. **Prerequisite:** WM703 or equivalent

WM850 Lab Analysis [1.27cr/19hrs] *Dual Degree and Pro Tracks*. Doctoral students will evaluate biomedical laboratory results including complete blood counts (CBC) and comprehensive metabolic panels (CMP) from a Western and Chinese medicine perspective. Students will also assess these labs and diagnostic studies from a western perspective. Chinese medicine diagnosis and treatment plans which reflect that understanding will be communicated to both patients and biomedical professionals. **Prerequisite:** WM705 or equivalent

WM851 Pharmaceutical Analysis [1cr/15hrs] *Dual Degree and DAHM Pro Track*. To effectively work in an integrated care model, knowledge of pharmaceuticals from a western perspective is essential. Doctoral students review the knowledge gained from WM631 Metabolism of Pharmaceuticals and learn how to evaluate pharmaceuticals and their chemistry, and their biochemical modes of action from a Chinese medicine perspective. By examining the western roots of the pharmaceutical actions, students differentiate the pharmaceutical actions using a Chinese medicine perspective and terminology. **Prerequisite:** WM631 or equivalent

WM881 Pharmaceutical Analysis [1cr/15hrs] *DAC Pro Track*. To effectively work in an integrated care model, knowledge of pharmaceuticals from a Western perspective is essential. Doctoral students review the knowledge gained from WM631 Introduction to Pharmacology and learn how to evaluate pharmaceuticals, their chemistry, and their biochemical modes of action from a Chinese medicine perspective. By examining the Western roots of the pharmaceutical actions, students differentiate the pharmaceutical actions using a Chinese medicine perspective and terminology. **Prerequisite:** WM631 or equivalent

WM852 Research and Evaluation 2 [1cr/15hrs] *Dual Degree and Pro Tracks*. This is the second course in a two-course sequence. Doctoral students' structure and conduct a Quality Improvement (QI) study that can lead to an upgrade of their current practice. Students identify a logistical or clinical area in their practice that needs improvement. Students apply the Plan Do Check Act (PDCA) cycle as their QI method. The QI Plan to be submitted for this course is a compilation of the plan components that students have systematically developed and revised throughout the course. Students learn the academic peer review process and critique research methods relevant to evidence-based and evidence-informed practice.

COMPLEMENTARY STUDIES

CS750 Collaborative Communication Models [.57cr/8.5hrs] *Dual Degree and Pro Tracks*. Doctoral students demonstrate skills for effective communication with patients and fellow practitioners across healing disciplines to promote optimal patient health. Students describe personality and communication styles in order to determine how to optimize communication with patients and practitioners

whose styles and cultures are different from their own. Students demonstrate active listening. Students communicate with biomedicine colleagues orally and in writing using clear and comprehensible language.

CS850 Systems Based Medicine [.57cr/8.5hrs] Dual Degree and Pro Tracks. Doctoral students discuss the structure of the conventional U.S. healthcare system and the information infrastructure that facilitates its functioning. Students also describe current health care payment systems (insurers) that are part of the overall structure. In addition, students identify governmental agencies, professional organizations, and other healthcare system principals (FDA, CDC, WHO, AMA, lobbyists) that influence healthcare systems. Students will identify details from a survey of medical workforce roles including the clinical practice of chiropractic, naturopathy, osteopathy, nursing, psychology, dentistry, and podiatry. Combining knowledge of Chinese medicine and the conventional U.S. healthcare system, students analyze keys to Chinese medicine practice in the U.S.

CS851 Advocacy and Professional Development [.27cr/4hrs] Dual Degree and Pro Tracks. This course has two related but distinct aspects, advocacy for the AOM profession and personal professional development. First, doctoral students will expand their professional lives as AOM practitioners by learning to advocate for the profession and educate the public. This involves pinpointing opportunities to further AOM in the broader community and selecting a subset on which to focus personally. Secondly, students will use their advocacy focus, AOM areas of interest, and an analysis of current AOM knowledge and skills to create a long term professional development plan that supports growth and advancement.

CLINICAL EXPERIENCE

IN751 Advanced Clinical Internship 1 [.13cr/4hrs] Dual Degree. Interns design, implement, and manage Chinese medical care for patients within a specialized clinical setting. In addition to clinical practice, students engage in focused study of their assigned specialty area to better understand the unique needs and considerations of that population. Specialties may include areas such as substance use treatment, veteran care, hospice and palliative care, oncology, or orthopedics.

IN753 Advanced Clinical Internship 2 [.13cr/4hrs] Dual Degree. Interns design, implement, and manage Chinese medical care for patients within a specialized clinical setting. In addition to clinical practice, students engage in focused study of their assigned specialty area to better understand the unique needs and considerations of that population. Specialties may include areas such as substance use treatment, veteran care, hospice and palliative care, oncology, or orthopedics.

IN755 Integrative Clinical Experience: Morphology & Physiognomy [.5cr/15hrs] Dual Degree. This advanced diagnostic course explores morphology and physiognomy diagnosis through asynchronous content. Students refine their ability to observe and interpret diagnostic signs, bridging visual diagnostics with multi-system assessment strategies used in collaborative care settings.

IN756 Integrative Clinical Experience: Nutrition Therapy [.7cr/21hrs] Dual Degree and Pro Tracks. This course offers students a deep dive into Chinese Medicine dietary/nutritional therapy for disease prevention and wellness; including proteins, fats and carbohydrates from a Chinese medical perspective, seasonal eating and mineral extraction; food combinations, and therapeutic nutrition for health concerns. Students will synthesize pattern differentiation with food energetics including treatment of CCM patterns of excess and stagnation to craft personalized dietary nutrition plans, while also learning to frame these recommendations in interprofessional and integrative settings.

IN757 Integrative Clinical Experience: Advanced Diagnostics [.7cr/21hrs] Pro Tracks. This advanced diagnostic course explores morphology, physiognomy, and classical pulse diagnosis through both asynchronous content and live sessions. Students refine their ability to observe and interpret diagnostic signs, bridging visual and tactile diagnostics with multi-system assessment strategies used in collaborative care settings.

IN758 Integrative Clinical Experience: Classical Channels [1.2cr/36hrs] Pro Tracks. In this immersive course, students explore the clinical application of the classical channel systems – Sinew, Luo, Eight Extraordinary, and Divergent Vessels. Through asynchronous and online lectures, students synthesize classical theory with contemporary clinical reasoning to design effective treatment plans.

IN851 Advanced Clinical Internship 3 [.13cr/4hrs] Dual Degree. Interns will create, design, and administer acupuncture and Chinese medicine treatment modalities for patients and families of patients in a specialized care setting. Interns will do research on the specialized area in which they are working. Specialized areas that could be included are drug and alcohol treatment, hospice and palliative care, oncology and orthopedics. This course is designed to fulfill credit requirements in the Clinical Internship portion of the curriculum.

IN853 Advanced Clinical Internship 4 [.13cr/4hrs] Dual Degree. Interns design, implement, and manage Chinese medical care for patients within a specialized clinical setting. In addition to clinical practice, students engage in focused study of their assigned specialty area to better understand the unique needs and considerations of that population. Specialties may include areas such as substance use treatment, veteran care, hospice and palliative care, oncology, or orthopedics.

IN855 Integrative Clinical Experience: Death & Dying [.33cr/10hrs] *Dual degree and Pro Tracks.* This experiential seminar explores the interface of Chinese medicine and end-of-life care. Students will engage with death and dying as a clinical and spiritual process, integrating insights from palliative care models, acupuncture theory, and conscious dying practices. Through dialogue with leaders in hospice care and Chinese medicine, students will deepen their understanding of practitioner presence, patient advocacy, and system navigation in terminal care.

IN856 Integrative Clinical Experience: Biomedical Integration [.47cr/14hrs] *Dual degree and Pro Tracks.* This course bridges Chinese medicine and biomedical perspectives through direct engagement with western physicians. Students will examine case studies, explore scope, and assess collaborative approaches to patient care, while strengthening their ability to communicate clearly and effectively in team-based care environments.

OB751/OB781 Advanced Clinical Theater 1 [.20cr/6hrs] *Dual Degree and Pro Tracks.* Doctoral interns observe senior faculty caring for patients presenting with a variety of conditions. Students gain unique insight into clinical practice through complex Chinese medicine case observation, discussion, and analysis. Interns restate findings from both Chinese and Western diagnostic procedures and research the medical condition. Interns create an integrated care plan that addresses the patients' health needs.

OB752/OB782 Collaborative Clinical Rounds 1 [.27cr/8hrs] *Dual Degree and Pro Tracks.* Doctoral interns observe patient consultation and treatment conducted by Western medical physicians and licensed acupuncturists in a classroom theater setting. Instructors model the diagnostic process from both biomedical and Chinese Medicine perspectives, and guide students through the interpretation of medical history, laboratory findings, and clinical presentation. Building on these observations, interns analyze how biomedical and Chinese Medicine frameworks inform integrative treatment planning. Students develop and articulate potential treatment strategies and learn to communicate their clinical reasoning clearly to both patients and other healthcare professionals. This course emphasizes interprofessional collaboration, helping interns understand the roles, language, and decision-making processes of different providers within a team-based care model.

OB753/OB783 Advanced Clinical Theater 2 [.20cr/6hrs] *Dual Degree and Pro Tracks.* Doctoral interns observe senior faculty caring for patients presenting with a variety of conditions. Students gain unique insight into clinical practice through complex Chinese medicine case observation, discussion, and analysis. Interns restate findings from both Chinese and Western diagnostic procedures and research the medical condition. Interns create an integrated care plan that addresses the patients' health needs.

OB754/OB784 Collaborative Clinical Rounds 2 [.27cr/8hrs] *Dual Degree and Pro Tracks.* Doctoral interns observe patient consultation and treatment conducted by Western medical physicians and licensed acupuncturists in a classroom theater setting. Instructors model the diagnostic process from both biomedical and Chinese Medicine perspectives, and guide students through the interpretation of medical history, laboratory findings, and clinical presentation. Building on these observations, interns analyze how biomedical and Chinese Medicine frameworks inform integrative treatment planning. Students develop and articulate potential treatment strategies and learn to communicate their clinical reasoning clearly to both patients and other healthcare professionals. This course emphasizes interprofessional collaboration, helping interns understand the roles, language, and decision-making processes of different providers within a team-based care model.

OB851 Advanced Clinical Theater 3 [.20cr/6hrs] *Dual Degree.* Doctoral interns observe senior faculty caring for patients presenting with a variety of conditions. Students gain unique insight into clinical practice through complex acupuncture and herbal medicine case observation, discussion, and analysis. Interns restate findings from both Chinese and Western diagnostic procedures and research the medical condition. Interns create an integrated care plan that addresses the patients' health needs.

OB852 Collaborative Clinical Rounds 3 [.27cr/8hrs] *Dual Degree.* Doctoral interns observe patient consultation and treatment conducted by Western medical physicians and licensed acupuncturists in a classroom theater setting. Instructors model the diagnostic process from both biomedical and Chinese Medicine perspectives, and guide students through the interpretation of medical history, laboratory findings, and clinical presentation. Building on these observations, interns analyze how biomedical and Chinese Medicine frameworks inform integrative treatment planning. Students develop and articulate potential treatment strategies and learn to communicate their clinical reasoning clearly to both patients and other healthcare professionals. This course emphasizes interprofessional collaboration, helping interns understand the roles, language, and decision-making processes of different providers within a team-based care model.

OB853 Advanced Clinical Theater 4 [.20cr/6hrs] *Dual Degree.* Doctoral students observe senior faculty caring for patients presenting with a variety of conditions. Students gain unique insight into clinical practice through complex acupuncture and herbal medicine case observation, discussion, and analysis. Interns restate findings from both Chinese and Western diagnostic procedures and research the medical condition. Interns create an integrated care plan that addresses the patients' health needs.

OB854 Collaborative Clinical Rounds 4 [.27cr/8hrs] *Dual Degree.* Doctoral interns observe patient consultation and treatment conducted by Western medical physicians and licensed acupuncturists in a classroom theater setting. Instructors model the diagnostic process from both biomedical and Chinese Medicine perspectives, and guide students through the interpretation of medical history, laboratory findings, and clinical presentation. Building on these observations, interns analyze how biomedical and Chinese Medicine frameworks

inform integrative treatment planning. Students develop and articulate potential treatment strategies and learn to communicate their clinical reasoning clearly to both patients and other healthcare professionals. This course emphasizes interprofessional collaboration, helping interns understand the roles, language, and decision-making processes of different providers within a team-based care model.