

## **Bachelor of Science in Traditional Chinese Medicine**

### **Course Descriptions Acupuncture Courses**

#### **A-4101-O Fundamental Theories of Traditional Chinese Medicine**

This course introduces the historical background and development of Acupuncture and Chinese Herbal Medicine (AOM) and explains the theories of Yin and Yang, the Five Elements, Vital substances (Essence, Qi, Blood, Body Fluids, and Shen), and AOM internal organs (Zang-Fu). Also it explains the Etiology and Pathogenesis of AOM.

*4 credits, Prerequisites: None.*

#### **A-4102-O Chinese Terminology and Phonetics**

This course is an introduction to the Chinese characters and *Pinyin* words necessary to understand the curriculum, to assure correct pronunciation, and to enable the study of the existing body of Traditional Chinese Medicine literature and available texts.

*2 credits, Prerequisites: None.*

#### **A-4103-O Meridian Theory**

This course covers the basic concept of the meridians, with a focus on the 12 regular meridians and the eight extra meridians. It will also cover the 12 divergent meridians, 12 muscle regions, 12 cutaneous regions and 15 collaterals.

*2 credits, Prerequisites: None.*

#### **A-4104-O Introduction to Point Location**

This is an introductory course in which students learn the concept, classification and measurement methods of acupuncture points. Students will also learn the basic features of specific acupuncture points and systematically build the knowledge base of the theories, philosophies, and practices of Traditional Chinese Medicine.

*1 credit, Prerequisites: None.*

#### **A-4105-O Point Location – Green**

This course is the first of a three-trimester study of the acupuncture points of the 14 meridians and selected extra points. Chinese point names, comparative review of locations based on traditional and modern anatomy, therapeutic indications, and treatment methods utilizing acupuncture and moxibustion will be discussed for each point. This course will focus on the Lung meridian of hand Taiyin, Large Intestine meridian of hand Yangming, Stomach meridian of foot Yangming, Spleen meridian of foot Taiyin, Heart meridian of hand Shaoyin and Small Intestine meridian of hand Taiyang.

*3 credits, Prerequisites: A-4104.*

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*1 credit, Prerequisites: None.*

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*3 credits, Prerequisites: A-4104.*

### **A-4106-O Introduction to TCM Diagnosis**

This course introduces the classic Four Diagnostic Methods of Traditional Chinese Medicine: Observation including tongue observation, Palpation including pulse taking, Auscultation and Olfaction, and Inquiry. This course emphasizes how to combine the Four Diagnostic Methods to obtain a comprehensive and systematic understanding of the pattern of identification in terms of Chinese herbal medicine.

*4 credits, Prerequisites: None.*

### **A-4107-O Point Location – Yellow**

This course continues the study of the acupuncture points of the 14 meridians and selected extra points. Chinese point names, comparative review of locations based on traditional and modern anatomy, therapeutic indications, treatment methods utilizing acupuncture and moxibustion, and point selection by differential diagnosis of conditions will be discussed for each point. This course will focus on the Urinary Bladder meridian of foot Taiyang, Kidney meridian of foot Shaoyin, Pericardium meridian of hand Jueyin, San Jiao meridian of hand Shaoyang, Gallbladder meridian of foot Shaoyang and Liver meridian of foot Jueyin.

*4 credits, Prerequisites: A-4104.*

### **A-4108-O TCM Diagnosis I**

This course continues the discussion of the classical methods of Traditional Chinese Medicine diagnosis and focuses on differentiation according to the Eight Principles, Vital Substances (Qi, Blood, Body fluids), pathogenic factors including Shang han lun six stages, Wen bing (warm febrile diseases) Four levels, and Triple Burner.

*2 credits, Prerequisites: A-4106.*

### **A-4109 Qi Exercise**

Qi Gong is a meditation and breathing technique that is divided into two categories, internal and external gong. This class is focused on the internal Qi Gong and introduces different types of Qi Gong practice and practice. After practicing Qi Gong, students can recommend this gentle exercise to their patients to enhance their health and healing process.

*1 credit, Prerequisites: None.*

### **A-4110 Special Acupuncture Techniques**

This class will introduce and demonstrate the needling methods of the filiform needle, cutaneous needle, and electrical stimulation of the needle. Also, students will practice cupping, moxibustion, Guasha, and other modalities. Included are the major functions, indications, precautions, and contraindications with such methods.

*2 credits, Prerequisites: A-4101.*

### **A-4111-O Five Element Theory and Application**

This class is designed for an in-depth discussion of the theory and philosophy of the Five Elements and its application in diagnosis and treatment. Also, students will practice how to use the relationship between the elements to develop treatment strategies and plans.

*1 credit, Prerequisites: None*

### **A-4112 CPR and Other Emergency Techniques**

In this course, students will be introduced to general safety, hygiene, and cleanliness requirements. Students will understand the special procedures associated with emergency situations. Students will become certified in Cardio-Pulmonary Resuscitation (CPR) and First Aid by the American Red Cross. Part I (classes 1, 2 and 3) covers the management of emergency situations specific to an acupuncture practice. Part II (classes 4 and 5) are taught by an American Red Cross certified instructor and will cover the management of heart and breathing emergencies, along with instruction in first aid.

*1 credit, Prerequisites: None.*

### **A-4113-O Point Location – Red**

This course continues the study of the acupuncture points of the 14 meridians and selected extra points. Chinese point names, comparative review of locations based on traditional and modern anatomy, therapeutic indications, treatment methods utilizing acupuncture and moxibustion, and point selection by differential diagnosis of conditions will be discussed for each point. This course will focus on the Ren (Conception) and Du (Governing) vessels and commonly used Extra points.

*1 credit, Prerequisites: A-4104.*

### **A-4114-O TCM Diagnosis II**

This course continues the discussion of the classical methods of Traditional Chinese Medicine diagnosis and focuses on the patterns of identification according to the Internal Organs (Five Zang and Six Fu), 12 Channels, Eight Extraordinary Vessels, 15 Luo Channels, and Five Elements.

*2 credits, Prerequisites: A-4106, A-4108.*

### **A-4201-O Meridian Acupoint Energetics and Application**

This course teaches the indications and energetics of the 12 regular meridian and 8 extraordinary meridians. It also covers the application of points in the treatment of disease by utilizing an in-depth discussion of energetics including the Five transporting points, Yuan Source points, Luo Connecting points, Xi Cleft points, Back Shu points, Front Mu points, the Eight Confluent points, Eight Influential points, 13 Ghost points, and Emergency Aid points applied in the treatment of disease according to the principles of Traditional Chinese Medicine.

*3 credits, Prerequisites: A-4104, A-4105, A-4107, A-4113, A-4114.*

## **Herbology**

### **H-4101-O Introduction to TCM Herbology**

This is an introductory course to TCM herbology. This course will describe the fundamental theory underlying the use of herbs, natural products and formulations. Students will learn the basic herbal theories and build up a solid foundation for the next level of herbal studies.

*1 credit, Prerequisites: A-4101.*

### **H-4102-O TCM Herbology - Yellow**

This course builds upon the introductory course in TCM Herbology, presents various herbs by name, classification, identification, character and taste, meridian routes, dosage, indications, contraindications, preparation, scientific research and prescription examples. Chinese herbs to be discussed in this course are from the functional categories of release exterior, clear heat, and drain downward.

*2 credits, Prerequisites: H-4101.*

### **H-4103-O TCM Herbology - Green**

This course builds upon the introductory course in TCM Herbology, presents various herbs by name, classification, identification, character and taste, meridian routes, dosage, indications, contraindications, preparation, scientific research and prescription examples. Chinese herbs to be discussed in this course are from the functional categories of drain dampness, dispel wind-dampness, transform phlegm, relieve food stagnation, regulate qi and regulate blood.

*3 credits, Prerequisites: H-4101.*

### **H-4201-O TCM Herbology - Red**

This course builds upon the introductory course in TCM Herbology, presents various herbs by name, classification, identification, character and taste, meridian routes, dosage, indications, contra-indications, preparation, scientific research and prescription examples. Chinese herbs to be discussed in this course are from the functional categories of warm interior and expel cold, tonify, stabilize and bind, calm the spirit, open orifices, extinguish wind and stop tremors, expel parasites and topical applications.

*3 credits, Prerequisites: H-4101.*

## **Biomedical Sciences**

### **W-4101-O Anatomy and Physiology I**

Students study the structures and functions of the human body and learn the basic principles of homeostasis in the internal environment. In this course, basic concepts of metabolism and regulation are applied to the study of the following systems: cellular, tissue, integumentary, skeletal, muscular, nervous, and endocrine systems.

*3 credits, Prerequisites: None.*

### **W-4102-O Biomedical Concepts, Terminology and Western Medical History**

This survey course introduces the historical development of medicine in the West, to familiarize students with the systems of medicine practiced by M.D.'s, D.C.'s, and D.O.'s. Emphasis will be placed on teaching students the use and meaning of terminology and technical vocabularies necessary for professional, interdisciplinary communications.

*2 credits, Prerequisites: None.*

### **W-4103-O Anatomy and Physiology II**

This course is the second part of Anatomy and Physiology. Students study the structure and functions of the human body and learn the basic principles of homeostasis in the internal environment. In this course, basic concepts of metabolism and regulation are applied to the study of the following systems: endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems.

*2 credits, Prerequisites: W-4101.*

### **W-4201 Surface Anatomy**

This biomedical anatomy course focuses on the superficial features of the body, such as tendons and muscles and bony landmarks, with a view to the identification and use of anatomical landmarks as aids in locating underlying tissues and organs.

*2 credits, Prerequisites: W-4101.*

## **Clinical Training**

### **C-4101 Clinic Observation and Evaluation - Black**

Under the supervision and direction of the instructor, students observe licensed acupuncturists treating patients in a clinic theater setting. This provides students with a clinical context that balances the intensely didactic and theory-oriented first- and second-year programs.

*3 credits, Prerequisite: A-4101, A-4104, A-4106, W-4101, W-4103.*

### **C-4201 Clinic Observation and Evaluation – White**

Under the supervision and direction of the instructor, students observe licensed acupuncturists treating patients with complex conditions in a clinical theater setting. Students will prepare to pass the five-part examination required for promotion to clinic internship. Students will register for and take the Clean Needle Technique course if they have not already done so.

*3 credits, Prerequisites: A-4101, A-4104, A-4106, W-4101, W-4103*

## Ethics, Business and Communications

### **E-4101-O Medical Ethics**

This course focuses on the scope of practice of Texas-licensed acupuncturists, with students familiarized with, and discussing, the laws and regulations of the State of Texas regarding the practice of acupuncture, record keeping, and confidentiality requirements. Students will also discuss various ethical dilemmas encountered by practitioners.

*1 credit, Prerequisites: None.*

### **E-4201-O Marketing and Office Management**

This course introduces the student to a wide variety of medical office duties that are commonly performed by the administrator or owner of a small clinic. These duties include: office communication, medical reception tasks, document production, medical office accounting, billing procedures, appointment scheduling, medical records management, and insurance claims processing. Also, the students will learn how to implement electronic medical record and electronic health record systems to maximize the benefit to the patient and the clinic. There is a brief introduction to International Classification of Disease-10 (ICD-10) and Current Procedural Terminology (CPT) coding, bookkeeping and accounting practices.

*3 credits, Prerequisites: None*



Filling Herbal Formulas in the Student Clinic, Austin