

# **Shanghai University of Traditional Chinese Medicine**

**Program of Clinical Chinese & Western Medicine  
(Taught in English)**

International Education College  
Shanghai University of Traditional Chinese Medicine  
August, 2018

# **Program of Clinical Chinese & Western Medicine**

## **(Taught in English)**

### **Introduction**

This program was set up to better introduce and develop traditional Chinese medicine globally and enable traditional medicine to benefit the human health. It is tailored for international students and based on the educational strategy in combining solid theoretical knowledge and practical skills with profound Chinese culture and modern knowledge in science and medicine. The teaching scheme satisfies the *Regulations of Shanghai University of Traditional Chinese Medicine on Academic Credit System*.

### **Educational objectives**

Chinese medicine shares an equal status as Western medicine in China's national healthcare system. This program aims to equip students with basic theory and professional knowledge in both Chinese and Western medicine and to enable them to diagnose and treat common diseases.

The course content focuses on essential theories and professional knowledge in Chinese and Western medicine as well as clinical diagnosis & treatment. Knowledge in preventive medicine, rehabilitation, psychology, social science and natural science are also included in the program. This course intends to equip students with the capabilities in problems solving, scientific and independent thinking as well as information gathering and analysis.

The University motto is "diligence, benevolence, integrity and innovation". This program emphasizes humanities, liberal studies, medical ethics, doctor-patient communication and team work, along with traditional healthcare exercises.

Learning of Chinese language and medical Chinese enables students to communicate with Chinese, read TCM literature, experience traditional Chinese culture and understand Chinese history and civilization as well as the significant role of traditional Chinese medicine.

### **Duration of the course**

5 years (the duration can be extended to 7 years).

### **Academic Year & Curricula**

This is a 5-year program, 3 semesters in one academic year.

### **Curriculum (280 Credits)**

## Academic Year 1

### Semester 1

Course Code	Courses	Credit
99.001.9.1	Basic Chinese Language (I)	6
01.121.9.6	Medical Chemistry	2
01.021.9.3	TCM Basic Theory (I)	4
01.111.9.3	Normal Human Anatomy	7
07.011.9.4	△Healthcare Physical Education (I)	3
03.056.9.1	*Basics of Chemistry	2

### Semester 2

Course Code	Courses	Credit
99.001.9.2	Basic Chinese Language (II)	6
08.071.9.4	Overview of China	3
01.161.9.1	Histology and Embryology	3.5
01.021.9.4	TCM Basic Theory (II)	4
01.133.9.2	Microbiology	2.5
01.121.9.5	Biochemistry	4
07.011.9.5	△Healthcare Physical Education (II)	3
02.023.9.8	*Meridians and Points (I)	6
04.021.9.5	*Tuina Exercise (I)	1.5

### Semester 3

Course Code	Courses	Credit
99.001.9.3	Basic Chinese Language (III)	2
01.021.9.5	*Case Study	1
10.001.9.1	△Guidance for Humanity Social Practice	2
10.003.9.1	△Social Practice	8

## Academic Year 2

### Semester 1

Course Code	Courses	Credit
99.001.9.4	Intermediate Chinese Language (I)	4
01.137.9.1	The Basics of Immunology	2.5
01.031.9.3	TCM Diagnostics (I)	4
03.091.9.3	Chinese Materia Medica	6
01.151.9.3	Physiology	4
04.021.9.6	*Tuina Exercise (II)	1.5
02.023.9.9	*Meridians and Points (II)	6

### Semester 2

Course Code	Courses	Credit
99.001.9.5	Intermediate Chinese Language (II)	4
01.031.9.4	TCM Diagnostics (II)	4
01.101.9.2	Introduction to TCM Classics	2
03.094.9.3	Formulas of Chinese Herbal Medicine	5
01.171.9.3	Basics of Pathology	3
02.031.9.3	*Acupuncture and Moxibustion Technique (I)	5
04.021.9.7	*Tuina Exercise (III)	1.5
10.020.9.1	*Theory of Tuina Manipulations	5

### Semester 3

Course Code	Courses	Credit
10.001.9.5	Intermediate Chinese Language (III)	2
10.003.9.2	△Practice of Integrated Western and Chinese Internal Medicine	4
10.003.9.3	△Practice of TCM Internal Medicine	4
05.024.9.1	△Communication Skill Training	2

## Academic Year 3

### Semester 1

Course Code	Courses	Credit
99.001.9.6	Clinical Conversations in Traditional Chinese Medicine (I)	2
09.011.9.1	Overview of Integrated Western and Chinese Medicine	2
09.021.9.6	TCM Internal Medicine (I)	5
09.031.9.7	Basics of Diagnostics	5
09.031.9.8	Radiology	2
03.022.9.3	Pharmacology	3
04.023.9.1	*Tuina Practice on Human Body (I)	2

### Semester 2

Course Code	Courses	Credit
99.001.9.7	Clinical Conversations in Traditional Chinese Medicine (II)	2
09.021.9.7	TCM Internal Medicine (II)	5
09.051.9.3	Overview of WM External Medicine	5
09.033.9.3	WM Internal Medicine	5
02.035.9.2	Acupuncture and Moxibustion	6
02.031.9.4	*Acupuncture and Moxibustion Technique (II)	5
01.114.9.3	*Anatomy of Acupuncture Points	4
14.388.9.1	*Medical Terminology	2
02.042.9.4	*Selective Readings of Acupuncture Classics	3
04.023.9.2	*Tuina Practice on Human Body (II)	2
01.041.9.2	*History of Chinese Medicine	2

### Semester 3

Course Code	Courses	Credit
10.001.9.6	△Practice of Acupuncture and Moxibustion Technique	4
10.025.9.2	△Practice of Clinical Skills	1.5
05.028.9.3	*Development on Clinical Acupuncture and Tuina Therapeutics	3
04.023.9.3	*Tuina Practice on Human Body (III)	2

## Academic Year 4

### Semester 1

Course Code	Courses	Credit
09.023.9.1	Clinical Development on Integrated Chinese and Western Internal Medicine	3
09.051.9.4	Monograph of WM External Medicine	5
09.076.9.1	Integrated Chinese and Western Gynecology	1.5
09.066.9.1	Integrated Chinese and Western Pediatrics	1.5
01.191.9.1	Preventive Medicine	4
08.031.9.2	Medical Ethics	3
02.032.9.6	*Acupuncture Therapeutics (I)	6
99.001.9.8	*Overview on TCM-Style Writing	2
04.026.9.2	*Tuina Therapeutics	3
09.232.9.1	*Integrated Chinese and Western Orthopedics	3.5
18.001.9.2	*General Introduction to Rehabilitation	2.5

### Semester 2

Course Code	Courses	Credit
05.028.9.6	TCM External Medicine	3
02.032.9.7	*Acupuncture Therapeutics (II)	5
18.004.9.1	*Rehabilitation Therapeutics	5
01.075.9.1	*TCM Nutriology	2
14.048.9.1	*Clinical Psychology	1.5
09.181.9.3	*Integrated Chinese and Western Emergencies	4
09.193.9.3	*Integrated Chinese and Western Neurology	2.5

## Academic Year 5

Course Code	Courses	Credit
10.016.9.1	△Graduation Practice (Observation)	48
10.002.9.1	△Pre-Clinic Training	3
10.016.9.2	△Graduation Qualification Exam (Basic Theory Exam + Skill Exam)	3

## Notification of the curricula

The course structure pays equal attention to Chinese and Western medicine: The course covers a wide range of knowledge—modern medicine, basic and clinical knowledge in Chinese and Western medicine, philosophy, social science, English language, computer, humanities and all-round development.

Theoretical contents are given in lectures, case studies, group discussions, projects, and research presentations. Clinical courses involve clinical internship. Laboratory teaching is included in some basic medical courses.

## The course modules

**Basic & major courses in Chinese medicine:** TCM basic theories, TCM diagnostics, Chinese materia medica, formula of Chinese herbal medicine, guided reading in clinical TCM classics, Chinese internal medicine, Chinese external medicine, meridians & points, needling & moxibustion techniques, acupuncture therapeutics and clinical practice in the 3<sup>rd</sup> semester.

**Basic & major courses in Western medicine:** Normal human anatomy, medical chemistry, biochemistry, histology & embryology, physiology, basics of immunology, microbiology, pathology, pharmacology, preventive medicine, medical diagnostics, diagnostic imaging, internal medicine, introduction to surgery and individual discussions of surgery.

**Courses in integrative Chinese and Western medicine:** Introduction to integrative Chinese & Western medicine, pediatrics in integrative Chinese & Western medicine, gynecology & obstetrics in integrative Chinese & Western medicine, clinical advance in internal medicine, practice of integrative Chinese & Western medicine and clinical skill training & practice.

**Elective courses:** Students can choose according to their own interests.

**Clinical practice training:** Early and more clinical practice opportunities to equip students with basic skills in Chinese and Western medicine. These include:

- ◆ Practice in the 3<sup>rd</sup> semester enables students to better understand the theories in Chinese and Western medicine and get to know China's healthcare system through TCM-oriented humanities and social practice, community health service, health education, training in TCM diagnosis, and practice in clinical nursing, preventive medicine, and internal medicine.
- ◆ Clinical internship includes bed-side teaching, demonstrations and cases studies. These methods enable students to better understand common diseases and improve their clinical skills and thinking ability.
- ◆ Clinical internship includes clinical rotation, internship in selective departments, enhanced internship (1-2 subspecialties), shadowing/mentoring sessions, and clinical review or investigation. These programs enable students to acquire abilities in disease

diagnosis and treatment as well as clinical studies.

- ◆ Clinical skill training includes clinical teaching, lectures on specific topics, and clinical skill examinations.

**Basic and medical Chinese learning** focuses on memory, understanding and use of Chinese language and aims to equip students with basic abilities in clinical communication and literature reading.

## Assessment and conferment

Assessments in different stages will be arranged to objectively evaluate the teaching effect and students' knowledge and skills. Formative assessment, such as questions in class, exercises, experiments, clinical observation or periodic examinations will be calculated in certain percentages to the total assessment of the courses.

In the 3rd semester practice, students are required to complete the practical items and achieve the learning objectives and requirements in the program plan. Students must get the required credits before entering the clinical rotation (the ratio of credits from passed compulsory courses over credits of all compulsory courses is not less than 95%).

During the clinical internship, students will be asked to take examinations in every clinical department. After completing the one-year clinical rotation, the students must take Graduation Qualification Examination.

## The graduation requirements

The total credits required for graduation are **280** credits, including **147.5** credits of compulsory courses , **85.5** credits of compulsory courses-practice courses (**25.5** credits in the 3rd Semester Practices, **3** credits in Pre-Clinic Training, **48** credits in the Graduation Practice and **3** credits in the Graduation Qualification Examination) , **47** credits of elective courses.

“\*” refers to Selective Course            “△” refers to Practice Course.

According to the program plan, students are qualified to graduation after achieving the required credits and passing all the examinations of the compulsory courses and clinical examinations. The students will be conferred to the Bachelor of Medicine by the Regulations of the People's Republic of China on Academic Degrees.