Universidad Zaragoza

Year : 2020/21

26733 - Anatomical-Physiological Bases for Acupuncture

Syllabus Information

Academic Year: 2020/21
Subject: 26733 - Anatomical-Physiological Bases for Acupuncture
Faculty / School: 104 - Facultad de Medicina
Degree: 304 - Degree in Medicine
ECTS: 4.0
Year: 5
Semester: First semester
Subject Type: Optional
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

- To take this course , students must have an interest in the knowledge of other therapeutic approaches , not by strangers are ineffective , and that currently can fit into our environment as adjunct therapy .

2.Learning goals

2.1.Competences

2.2.Learning goals

The student, for passing this subject, should demonstrate the following results:

- Understand the anatomical and physiological bases and mechanisms of action of acupuncture.
- Know the topographic location and functions of acupuncture points, based on their neural and muscle relationships.
- Know the scientific basis of acupuncture, intelligible haciéndosela without having to resort more to the neuro-physiological theories. Promoting from this, working groups on research in the field of acupuncture, to thereby integrate TCM. in West M. concept.
- Know the basic application of acupuncture in daily medical practice.
- Getting integrate into their professional activity acquired knowledge, expanding the tools and resources needed for a more comprehensive view of the patient.
- Get the most of the terminology has to base its technical expression as a doctor.
- Understanding with Western medical terminology, the foundations of ancient Chinese theories.
- Encourage the attitude of scientific curiosity that drives him to greater interest of knowledge.
- Adopt a critical attitude texts related to the agenda.

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as

- Theoretical, consisting of lectures (20 hours) sessions. Student participation and critical intervention are promoted. And problem-solving groups and cases (5 hours), in the form of "round tables", where the student must actively participate.
- Laboratory Practice (15 hours), in small groups where the training of students takes, holds in locating acupuncture points and using basic techniques puncture.
- I work on a model "thesis" (10 hours).
- Study (50 hours).
- The student devoted to the course, a total of 100 hours.

4.2.Learning tasks

The course includes the following learning tasks:

- Attendance of theory, where basic notes to be delivered at the beginning of the course will be expanded, and references will study and learning. The exhibition is accompanied by videos and powerpoint.
- Assistance to laboratory practices in small groups where practically apply the concepts presented in the lectures. Priority being the location of points and knowledge of its relationship with the peripheral nervous system. Application of needle and electro-stimulation technique. previous demonstration tutor and videos of other authors. disposable material is used and all measures of risk prevention enforceable apply. All students will be informed about the risks that may have the realization of the practices of this subject, and if dangerous products are handled and what to do in case of an accident, and must sign a commitment to comply with labor standards and safely carry them out. For more information, see the information for students Unit Occupational Health and Safety: http://uprl.unizar.es/estudiantes.html

- Voluntary Assistance acupuncture clinic in groups 1- 2 people. Where they will observe the daily dynamics of such, with real patients. Any student who performs these practices, to be able to manage a personal or medical history of patients, is required to maintain the confidentiality of the same data.

4.3.Syllabus

The course will address the following topics:

THEORIES BASIC TRADITIONAL CHINESE MEDICINE

- History of Traditional Chinese Medicine and Acupuncture. Definition
- Basic theories of Traditional Chinese Medicine. Yin Yang. Five Elements. Organs. Meridians.
- Materials and techniques of acupuncture. Needle. Electroacupuncture. Thermotherapy (moxibustion)

ANATOMOPHYSIOLOGICAL ACUPUNCTURE BASIS

- Basic neuroanatomy of Acupoint
- Physio-pathological functioning of the acupoint. Dynamic phases of the acupoint. Physical properties of the acupoint. Electrophysiology acupoint.
- Peripheral mechanism of acupuncture. Neurochemical mechanisms of acupuncture analgesia
- The neural basis of Acupuncture: Central mechanisms. Humoral, neural and immune response to Acupuncture
- Modern acupuncture: Integrated Neuromuscular System acupoint. neuroanatomical homeostatic description Acupoints. Symptomatic points. Paravertebral points. Early application of spinal segmentation in acupuncture therapy.
- Introduction to Practical Application of Neuromuscular acupoint Integrated System. Points "Trigger" (Tigger points).
- Application of acupuncture in treating pain.

PRACTICAL PROGRAM

- Practice needle puncture and handling (laboratory).
- Clinical Practice- Voluntarie assistance. (Private clinic Dr. Vecino). The student will attend the activity in this center, medical history, treatment application by the professional, .. etc.

WORKSHOPS

- Location of acupuncture points (Anatomy and dissection room)

TUTORIALS

- Counseling of students in literature search and fitness of purpose of course work, research model.

4.4.Course planning and calendar

The lectures and groups of practices will be taught:

- The first four-month period of the fifth year.
- Every Tuesday, theory from 4:30 p.m. to 6:30 p.m.; Laboratory practices 6:30 p.m. to 7:30 p.m. In the corresponding classroom of the Medicine school.
- Classes of clinical practice:
    - Monday and Thursday, 11:00 a.m. to 7:30 p.m. In a private clinic (Dr. J.A.Vecino)
    - Tuesday from 11:00 a.m. to 3:00 p.m. In a private clinic (Dr. J. A Vecino)

The distribution classes will be:

- 1 Group of master class (20 hours): the first 5 Tuesday of the ninth semester of degree.
- 3 groups of "problem solving and cases" (5 hours): groups of 1/3 of students, in 2 sessions (2-3 hours). On the following Tuesday of the semester.
- 7 groups of laboratory practices (15 hours). In sessions of 1 and 2 hours, the second half of the semester.
- Work-thesis (10 hours).
- Study (50 hours).

All the lecture courses, from the first semester (22th September to 19th January), will be teaching sessions (theoretical or practical).

Once the groups of practices are drawn up, a specific calendar will be designed for each group.

- Theory: 16:30-18:30 (Medicine School)
- Practice: 18:30-19:30 (Medicine School)
- Clinical Practice: 11:30-19:30 Monday and Thursday. And Tuesday 11:00 a.m. to 3:00 p.m. (Private clinic Dr. Vecino)
- The delivery of the final work-thesis should be done in paper format (secretary of the Human Anatomy and Histology Department or e-mail (in PDF o Word format), to the responsible teacher. And its delivery must not be later than 31st January 2021.

Evaluation:

First call: January

Second call: September

https://medicina.unizar.es/quinto-curso#horario9

4.5.Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=26733&year=2020