

## Course (TY03035): (Veterinary Acupuncture)

### 1. General information

- Term: 7
- Credits: **Total credits 3 (Lecture: 2.5 – Practice: 0.5)**
- **Self-study: 6 credits**
- Credit hours for teaching and learning activities: 30 hrs
- Self-study: 90 hrs.
- Department conducting the course:
  - Department: Anatomy and Histology
  - Faculty: Veterinary Medicine
- Kind of the course:

| Foundation <input type="checkbox"/> |                          | Fundamental <input type="checkbox"/> |                          | Option 1 <input type="checkbox"/> |                          | Option 2 <input type="checkbox"/> |          |
|-------------------------------------|--------------------------|--------------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|----------|
| Compulsory                          | Elective                 | Compulsory                           | Elective                 | Compulsory                        | Elective                 | Compulsory                        | Elective |
| <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/>          | <input type="checkbox"/> | <input type="checkbox"/>          | <b>X</b> |

- Prerequisite course(s): Veterinary Pathology 1

### 2. Course objectives and expected learning outcomes

#### \* *Course objectives:*

- Knowledge: Course provided for students with knowledge in veterinary acupuncture
- Skills: Course provide students with skills in veterinary acupuncture
- Attitude: Course provide students with attitudes in veterinary acupuncture

#### \* *Course expected learning outcomes*

| Notation         | Course expected learning outcomes<br>After successfully completing this course, students are able to   | PLO performance criteria |
|------------------|--|--------------------------|
| <b>Knowledge</b> |  |                          |
| CLO1             | Build of domestic animal disease treatment method by acupuncture   | 4.1                      |
| <b>Skills</b>    |  |                          |
| CLO 2            | Apply critical thinkings in assessment of roles of meridians in acupuncture for selection acupuncture points group in domestic animal disease treatment. | 5.2                      |
| CLO3             | Implement of determination of acupuncture points and meridians using in acupuncture for domestic animal disease treatment                                | 8.2; 10.1                |
| CLO4             | Apply acupuncture methods such as : Acupuncture, Electric Acupuncture , Hydro Acupuncture for prevention and treatment of domestic animals diseases      | 8.2; 10.1                |
| <b>Attitude</b>  |  |                          |
| CELO 6           | Maintain professional ethics of doctor of veterinary medicine (DVM) in using of acupuncture for animal disease treatment.                                | 12.1                     |

### 3. Course description

Brief description of the course: This provide **contents:** Theories in Oriental Medicine ; Mechanism and effect of acupuncture based on Modern medicine; acupuncture point for different domestic animals; Disease Treatment Methods by acupuncture includes: Acupuncture, Electricity Acupuncture, Hydro Acupuncture ; points group using for treatment some disease in domestic animals, special in Pet. **Teaching method:** Lecture in class meetings; self – study by reading materials and discussing with other students and teacher . Student practice under direct guidance of lecture. **Assessment Methods;** Attendance (10%); Midterm Exams (30%) and Final Exams (60%).

### 4. Teaching and learning & assessment methods

| CELOs                           | CELO1 | CELO2 | CELO3 | CELO4 | CELO5 |
|---------------------------------|-------|-------|-------|-------|-------|
| <b>Teaching and learning</b>    |       |       |       |       |       |
| Lecturing                       | x     |       |       |       |       |
| Teaching through practical work |       | x     | x     | x     | x     |
|                                 |       |       |       |       |       |
| <b>Assessment</b>               |       |       |       |       |       |
| Rubric 1. Attendance (10%)      | x     | x     | x     | x     | x     |
| Rubric 2. Practical (30%)       |       | x     | x     | x     | x     |
| Rubric 3. Final exam (60 %)     | x     | x     | x     | x     |       |

### 5. Student tasks

- Attendance: All students has to ateadence 100% in the classroom
- Preparation for the lecture: All students has to learn by themself.
- Assignment: All students must do practice in laboratory and practic room
- Mid-term exam: All students after finished practice program, They have Mid- term Exams
- Final exam: All students attended Final exams when they finished course work

### 6. Text books and references

\* **Text Books/Lecture Notes:**

- Phạm Thi Xuân Van (1982). Domestic Animal Anatomy. Agriculture Publishing House.
- Pham Thi Xuan Van. Lecturer Notes in Veterinary Acupuncture
- Pham Thi Xuan Van, Tran Duy Ty, Pham Van Tu (1992). Region Anatomy of Domestic Animal. Agriculture Publishing House.
- Yu Chuan. Traditional Chinese Veterinary Acupuncture and Moxibustion. China Agriculture Press, 1995.

### 7. Course outline

| Week | Content | Course expected learning outcomes |
|------|---------|-----------------------------------|
|------|---------|-----------------------------------|

|     |   |   |
|-----|---|---|
| 1   | <b>Chapter 1: Theories in Oriental Medicine</b>   |   |
|     | <b>A/ Main contents: ( 3 hours)</b><br><b>1. Theories: (3 hours)</b><br>1.1. Yin and yang Theory<br>1.2. The doctrine of the five elements Theory<br><br>1.3. Visceral statues Theory<br>1.4. Meridian Theory   | CLO 1                                       |
|     | <b>B/ Self-study contents: (9 hours)</b><br>Concept and definition of Yin and Yang;<br>Doctrine of the five elements; Meridan ; go out and do Yin and Yang  |   |
| ... | <b>Chapter 2. Mechalism of Acupuncture based on Modern Medicine</b>   |   |
|     | <b>A/ Main contents: ( 3 hours)</b><br><b>1. Theories: (3 hours)</b><br>2,1. Neural activities<br>2.2. Roles of humoral and hormonal; neurotransmitter<br>2.3. Mechanism of acupuncture based on Mordern Medicine   | CLO1  |
|     | <b>B/ Self-study contents: (9 hours)</b><br>– Neural secretions; neurotransmitter<br>– Concept of Hormonal and role of Hormonal in the acties flower of the body  |   |
|     | <b>Chapter 3 : Acupuncture Techniques</b><br><b>A/ Main contents: (10 hours)</b><br><b>1. Theories: (10 hours)</b><br>3.1. Acupuncture Techniques<br>3,2, Assit Techniques  | CLO1<br>CLO 2,<br>CIO 3,<br>CLO 4,<br>CLO 5 |
|     | <b>2. Praciice :(8 hours)</b><br><b>B/ Self – study contents</b><br>– Aspiration Techniques<br>– Needle Techniques<br>– Rescue Techniques<br>– Medicine for intramuscular<br>– Mechanism in using electromagnet<br>– Inject drugs into acupoints  |   |
|     | <b>Chapter 4 : Position of Acupoints in Domestic Animal</b><br><b>A/ Main contents: 4 Hours</b><br><b>1. Theories: (4 hours)</b><br>4.1. Acupoints in Cattle<br>4.2. Acupoints in Pigs<br>4.3. Acupoints in Dogs<br><b>2. Practice : (5 Hours)</b><br><b>B/ Seft – study contens (12 hours)</b><br>– Revise possition of Acupoints in Cattle, Pig and Dog | CLO1<br>CLO2<br>CLO3<br>CLO4<br>CLO5        |

|  |  |   |
|--|--|---|
|  | <ul style="list-style-type: none"> <li>- How to determine Acupoints</li> <li>- Draw Acupoints diagram on the Cattle, Pigs and Dogs</li> </ul>  |   |
|  | <p><b>Chapter 5 : Treatment by Acupuncture</b></p> <p><b>A/ Main Contents :</b></p> <p><b>1. Theories : (4 hours)</b></p> <p>5.1. Emergency</p> <p>5.2. Motor System Disease</p> <p>5.3. Digestive system disease</p> <p>5.4. Urinary and reproductive disease</p> <p><b>2. Practice : (5 hours)</b></p> <p><b>B/ Self – study contents : (12 hours)</b></p> <ul style="list-style-type: none"> <li>- Revise of the pathogenesis of digestive, urinary, reproductive and nervous system.</li> <li>- Effective of Acupoints group for treatment domestic animal disease.</li> </ul> | <p>CLO1</p> <p>CLO2</p> <p>CLO3</p> <p>CLO4</p> <p>CLO5</p> |