University: Damanhour University
Faculty: Veterinary Medicine
Department: Animal Medicine

Internal Medicine Course Specifications (2012 - 2013)

Program(s) on which the course is given: BVSc
Department offering the program: Animal Medicine
Department offering the course: Animal Medicine
Major or Minor element of programs: Major
Academic year /Level: 4th Year 2 semesters
Date of specification approval:

A. BASIC INFORMATION

Title: Internal Medicine
Code: AMED, BMED

Hours:
- Lectures 2 hrs/week
- Practical 2 hrs/week
- Total 021 hrs

B. PROFESSIONAL INFORMATION

1. Overall aims of the course: Student and graduates should gain the following
   - To support achievement of basic knowledge of normal condition and healthy state of the animals
   - To enable students to provide basic clinical examination for different animal species.
   - To provide students with an appropriate background covering the common and important internal medical diseases in all animal species.
   - To enable the development and application of appropriate professional attitudes, communication and problem solving skills.

2. Intended Learning Outcomes (ILOs) of the Course:
   a. Knowledge and Understanding:
      - a1 Determine the most common internal medical diseases affecting all species of the animals, and describe appropriate management for these disorders.
      - a2 Describe the causes, pathogenesis, clinical symptoms, investigations, treatment and prognosis of the most important internal medical diseases.
      - a3 Illustrate the impact of congenital and inherited affections on farm animals.
      - a4 Describe appropriate measures for health promotion as well as prevention of infection in animals.
      - a5 Describe appropriate management for abnormalities affecting growth and development.
      - a6 Cite the management priorities for different animal emergencies.
   b. Intellectual Skills: Graduate should have:
      - b1 Check vital signs in young and adult animals.
      - b2 Assess physical development according to standard and recognize abnormalities.
      - b3 Perform appropriate clinical assessments for animals.
      - b4 Recognize and institute appropriate initial management for different animal emergencies.
      - b5 Construct a proper history for a patient.
      - b6 Perform an adequate clinical examination for a patient animal and identify deviations from normal.
      - b7 Assess, classify and describe appropriate treatment for affected animals according to the principles of the integrated management.
   c. Professional and Practical Skills:
Interpret the most important symptoms and signs of disease in animals.

Formulate appropriate management plans for individual patients presenting with the most common internal medicine. The management plan should indicate investigations (and how they would be interpreted) as well as treatment.

Make decisions regarding common clinical situations using appropriate problem solving skills and relevant ethical principles.

d. General and Transferable Skills and Attitude:

d¹ Present patient’s data in an organized and informative manner.
d² Communicate effectively with animal's owners using appropriate communication skills.
d³ Demonstrate appropriate professional attitudes and behaviors in different practice situations.

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<tr>
<th>Topic</th>
<th>No. of hours</th>
<th>Lectures</th>
<th>Practical</th>
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<tbody>
<tr>
<td>First term</td>
<td></td>
<td></td>
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<tr>
<td>General Systemic State</td>
<td>30</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>Respiratory System</td>
<td>30</td>
<td>16</td>
<td>14</td>
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<tr>
<td>Second term</td>
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<tr>
<td>Cardiovascular system</td>
<td>15</td>
<td>10</td>
<td>5</td>
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<tr>
<td>Skin diseases</td>
<td>30</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Nervous system</td>
<td>15</td>
<td>10</td>
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<tr>
<td>Total</td>
<td>120</td>
<td>72</td>
<td>48</td>
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Teaching and Learning Methods:

4.1 Lectures
4.2 Clinical and small group sessions:
   Clinical training (Clinical demonstrations, practice of skills, and discussions)
      (a) General experimental animal teaching
      (b) Outpatient clinic
4.3 Tutorial classes (small group teaching)

Student Assessment Methods:

Exam

5.1 Written Mid-term  To assess the ability to understand and remember
5.2 Written Final-term To assess the ability to understand and remember
5.3 Practical Final-term To assess professional and practical skills
5.4 Oral Final-term   To assess skills of investigation and discussion

Assessment Schedule (in each semester):

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Exam</th>
<th>Week</th>
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<tr>
<td>¹</td>
<td>Written Mid-term</td>
<td>8th</td>
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<tr>
<td>²</td>
<td>Written Final-term</td>
<td>16th</td>
</tr>
<tr>
<td>³</td>
<td>Practical Final-term</td>
<td>16th</td>
</tr>
<tr>
<td>⁴</td>
<td>Oral Final-term</td>
<td>16th</td>
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Weighing of assessments

<table>
<thead>
<tr>
<th>Exam</th>
<th>Per Semester (%)</th>
<th>Total (%)</th>
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</thead>
<tbody>
<tr>
<td>¹  Written Mid-term</td>
<td>10</td>
<td>20</td>
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<tr>
<td>²  Written Final-term</td>
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<td>50</td>
</tr>
<tr>
<td>³  Practical Final-term</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>⁴  Oral Final-term</td>
<td>5</td>
<td>10</td>
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<tr>
<td>Total</td>
<td>50</td>
<td>100</td>
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List of References:
Course Notes:

- Department books

Essential Books:


Recommended Books:


Facilities Required for Teaching and Learning

- LECTURE HALL: Writing board, overhead and slide projectors are available. Data show is available with prior arrangements.
- SMALL GROUP CLASSES: Each group is present separately in this room.
- LIBRARY: 3rd floor of management building in the faculty of veterinary medicine, Elbostan.
- CLINICAL FACILITIES: General and specialized outpatient clinics, Animal farm in the faculty of veterinary medicine, Elbostan. Specialized laboratory units
- SKILLS: Training of students in all branches of internal medicine during conduction of the course.

Course Coordinator: Prof. Dr. M. Y. Naser

Head of Department: Prof. Dr. M. Y. Naser

Date: