

## Departement of Internal Medicine

### RPKPS / Modul untuk ASIIN : Small Animal Internal Medicine

Modul name	Small Animal Internal Medicine
Modul level	Bachelor
Abbreviation, if applicable:	KHU 4056
Subheading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	8/ year 4
Module coordinator(s):	Prof. Dr.drh. Sri Hartati, S.U.
Lecturer(s):	<ol style="list-style-type: none"> <li>1. Prof. Dr. drh. Sri Hartati, S.U.</li> <li>2. Dr. drh. Irkham Widiyono</li> <li>3. Dr. drh. Yanuartono, M.P.</li> <li>4. Dr. drh. Guntari Titik Mulyani, M.P.</li> <li>5. drh. Hary Purnamaningsih, M.P.</li> <li>6. Dr. drh. Slamet Rahardjo, M.P.</li> </ol>
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory course
Teaching format /class hours perweek during the semester:	3 hours lectures per week / semester and 8 hours of focus group discussion (FGD) during 4 weeks / semester
Workload:	3 hours lecturer and 1 hours structural activities / week during 14 weeks and 1 credit / week of practicum : 2 hours work in laboratorium, 1 hour report work at home, 8 hours of FGD total 92 hours/ semester
Credit Points:	4
Requirements:	<ol style="list-style-type: none"> <li>1. Veterinary Clinical Nutrition (KH 2052)</li> <li>2. Veterinary Clinical Pathology (KH 3111)</li> <li>3. Veterinary Pharmacotherapy II and Toxicology (KHU 3033)</li> <li>4. Veterinary Clinical Diagnostic (KH 3053)</li> </ol>
Learning goals / competencies:	<ol style="list-style-type: none"> <li>1. Students will be able to interpret the examination in small animal internal practice (cats and dogs) specifically;             <ol style="list-style-type: none"> <li>a. To understand the substances of and to comprehend the scope of small animal internal medicine.</li> </ol> </li> </ol>

- b. To acknowledge various disease causative agents and non-communicable diseases of small animal internal medicine.
  - c. To understand various clinical signs of diseases in the dogs.
  - d. To understand various clinical signs of diseases in the cats.
  - e. To determine drugs of choice available in small animal internal medicine practice.
  - f. To acknowledge types of vaccines for cats and dogs.
  - g. To analyze various cases in small animal internal disease and to understand how to make a vaccination programs for dogs and cats.
2. After completing the subject of Small Animal Internal Medicine, the students is expected to have more achievements in:
- a. Knowledge / Understanding
    - 1. Knowledge and understanding about general principle in internal medicine.
    - 2. Knowledge and understanding about general cognition in small animals especially cats and dogs.
    - 3. Knowledge and understanding general priciples in physical examination and sample collection of cats and dogs.
    - 4. Knowledge and understanding general priciples in laboratory examination and interpreting the laboratory results.
    - 5. Knowledge and understanding vaccination and drug application procedures.
  - b. Ability/ Intellectual skill
    - 1. Capability of identifying and determining the problem in small animal internal practice.
    - 2. Capability of analyzing the cases in small animal internal disease.
    - 3. Capability of analyzing the outbreak of any diseases and creating a vaccination program corresponding with.
    - 4. Capability of applying physical examination procedure, collecting and examining specimen samples, applying treatment and nursing the patient of small animal internal diseases (specifically cats and dogs).
  - c. Practical Skill
    - 1. To own the skill of performing physical examination in cats and dogs.
    - 2. To own the skill of collecting specimen samples for laboratory examination to establish the confirmation of diagnosis.
    - 3. To own the skill of identifying various clinical signs in small animal internal diseases.
    - 4. To own the skill of interpreting the laboratory results.
    - 5. To own the skill of diagnosing small animal internal diseases in cats and dogs.
    - 6. To own the skill of applying the drugs suitable for the small animal internal diseases for cats and dogs.
    - 7. To own the skill of nursing the cats and dogs suffered from the diseases.
  - d. Managerial and Transferable Skill
    - 1. To organize the nursing reports of the patients suffered from small animal internal diseases.
    - 2. To manage the informations of patients suffered from small animal internal diseases.
    - 3. To work in a team.
    - 4. To make and to organize the medical records of patients of small animal internal diseases.

	<p>e. Attitude</p> <ol style="list-style-type: none"> <li>1. To develop an appreciation of the health of cats and dogs.</li> <li>2. To develop a responsive act of surroundings related to the small animal internal diseases (especially for cats and dogs).</li> <li>3. To develop an open-minded and innovative personality in order to acquire any informations about advanced small animal internal diseases (in cats and dogs).</li> <li>4. To be able to anticipate any problems emerged following the diseases.</li> </ol>
<p>Content:</p>	<p>The course contents are : small animal internal diseases of : digestive system, reproduction system, respiratory system, and neurological system; internal diseases of visions and hearings; diseases of hair and skin; lameness, syncope, and apathie.</p>
<p>Study/exam achievements:</p>	<p>Students are considered qualified and passed the course if they manage to meet the requirements stated in both department of internal medicine and academic that is 75% of lectures attendance, practicum, and FGD.</p> <p>Examination score : Final exam 1 + final exam 2</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">2</p> <p>Total score : 2 (eximination score) + practicum score</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">3</p> <p>Final score : 85% (Total score ) + 15% ( FGD score)</p> <p>Final index :</p> <p>A: 100&gt;NA≥75</p> <p>AB: 75&gt;NA≥68</p> <p>B: 68&gt;NA≥60</p> <p>BC: 60&gt;NA≥55</p> <p>C: 55&gt;NA≥50</p> <p>D: 50&gt;NA≥45</p> <p>E: NA&lt;45</p> <p>(absolute score)</p> <p>NB= if absolute score cannot be applied, the calculation with relative score will be conducted.</p>
<p>Literature:</p>	<p>Adams, R. 1995. <i>Veterinary Pharmacology and Therapeutic</i>, Iowa State University Press, AMES, Iowa</p> <p>Anonim, 2000. <i>Informatorium Obat Nasional Indonesia 2000</i>. Depkes RI, Dirjen POM</p> <p>Aiello, S E. 1998. <i>The Merck Veterinary Manual</i>, Merck &amp; CO.Inc. Whitehouse Station, N.J.</p> <p>Anonim. 2002. <i>Data Obat di Indonesia (DOI)</i>. Grafidian Medipress</p> <p>Boothe, D M. 2001. <i>Small Animal Clinical Pharm. And Therapeutic</i>. W.B.</p>

	<p>Saunders Co., USA</p> <p>Chandler, E A. 1998. <i>Advance in Small Animal Practice</i>. Blackwell Scientific Publ. London</p> <p>Dharmojojo, 2001. <i>Kapita Selekt Kedokteran Veteriner (Hewan Kecil) 1</i>, Pustaka Populer Obor Jakarta</p> <p>Ettinger, S.J. (edts)., 1975. <i>Veterinary internal medicine</i>, W.B. Saunders Company, Toronto</p> <p>Ettinger, S.J. 1989. <i>Text Book of Vet. Int. Medicine</i>. W.B. Saunders Co.,</p> <p>Hoskins, H.P. dan Lacroix, J.W. (edts)., 1966. <i>Canine medicine</i>, A.V.P., Inc, California</p> <p>Hungerford, T.G., 1970. <i>Disease of livestock</i>, Angus dan Robertson, Sydney</p> <p>Johnson-Delaney, A.C. 2000. <i>Exotic Companion Medicine Handbook for Veterinarians</i>. Zoological Education Network, Florida</p> <p>Kirk, R.W. dan Bistner, S.T., 1985. <i>Veterinary Procedures and Emergency Treatment</i> W.B. Saunders Company, Philadelphia</p> <p>Lane, D.R. and Cooper, B. 2003. <i>Veterinary Nursing</i>. Buuterworth- Heinemann, London</p> <p>Levine Norman D., 1994. <i>Parasitologi Veteriner</i>. Edisi kedua. Gadjah Mada University Press</p> <p>Merck and Co., 1986, <i>The Merck Veterinary Manual</i>, Eight Edition, A Merck and Rhone-Poutene Company.</p> <p>Nelson, R.W., and Couto, C.G. 2003. <i>Small Animal Internal Medicine</i>, Mosby, Missouri.</p> <p>Plumb, D.C. 1999. CG. 2003. <i>Veterinary drug Hand Book</i>. 3th edition. Iowa State University Press.</p> <p>Paterson, S. 1998. <i>Skin Diseases of the Dog</i>. Blackwell Scientific Publ. London</p> <p>Paterson, S. 2000. <i>Skin Diseases of the Cat</i>, Blackwell Scientific Publ. London</p> <p>Rossof, I. 1994. <i>Handbook of V eterinary Drugs and Chemicals</i>. Parmatox Publ. Co. Illinois, USA</p> <p>v. Shane, S.M. 1998. <i>Buku Pedoman Penyakit Ungggas</i>, American Soybean Ass. Indonesia</p>
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