



The University of Tokyo



Syllabus 2017

Practice of Pathology (Diagnostic Pathology)

Practice of Virology and Immunology

Practice of Veterinary Public Health

Practice of Food Hygiene

Rotated Practice of Small Animal Surgery

Rotated Practice of Small Animal Internal Medicine

Course Title	Practice of Pathology (Diagnostic Pathology)				
Type	Exercise	Number of credits	2 (3.2)	Hours	-
Course Instructor	Hiroyuki NAKAYAMA, Kazuyuki UCHIDA, James K. CHAMBERS, Masaya TSUBOI				
Course Overview:					
<p>The practice course deals with diagnostic pathology in small animals, especially with neoplastic diseases. Skills for conducting necropsy, histopathology and cytology examinations as well as clinicopathological and morphological natures of tumors of neoplastic diseases are provided.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To understand morphological characteristics of tumors in small animals 2. To understand principal protocols of necropsy, histopathology and cytology examinations 					
Course Schedule:					
<ol style="list-style-type: none"> 1. Principal techniques for necropsy, histopathology and cytology - Day 1 2. Description methods for necropsy, histopathology and cytology findings - Day 1 3. Learning through clinical cases - I - Day 2 4. Learning through clinical cases II - Day 3 5. Preparations and discussion for case report - Day 4 6. Special stainings and immunohistochemistry - Day 4 7. Case report presentation and discussion - Day 5 					
Remarks:					
May have a maximum number of students					

Course Title	Practice of Virology and Immunology				
Type	Exercise	Number of credits	1 (1.6)	Hours	-
Course Instructor	Taisuke HORIMOTO, Shin MURAKAMI				
Course Overview:					
<p>In this practice, students can learn basic procedures for virus isolation from infected animals, and for serological, antigenic, and genetic diagnosis for viral infections.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To understand the basic knowledge of viral infectious diseases 2. To understand the clinical diagnosis for viral infectious diseases 					
Course Schedule:					
<ol style="list-style-type: none"> 1. Virus isolation from infected animals 2. Serological method -1 (Virus-neutralization test) 3. Serological method -2 (Hemagglutination-inhibition test) 4. Serological method -3 (ELISA) 5. Antigenic diagnostic method (Immuno-chromatography test) 6. Genetic diagnostic method -1 (PCR) 7. Genetic diagnostic method -2 (LAMP) 					
Remarks:					

Course Title	Practice of Veterinary Public Health				
Type	Exercise	Number of credits	0.5 (0.8)	Hours	-
Course Instructor	Katsuaki SUGIURA, Kazuhiro HIRAYAMA				
Course Overview:					
<p>In this course, students learn basic and applied epidemiological techniques for analysis of surveillance data and risk assessment for animal health and food safety. Students exercise with actual or mock data.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To understand basic epidemiological procedures to analyze data 2. To learn how to use software for statistics 3. To run epidemiological exercise with actual or mock data 					
Course Schedule:					
<ol style="list-style-type: none"> 1. Lecture and exercise for statistic software 2. Analysis of actual or mock data with statistic software 3. Presentation and discussion of analyzed data 					
Remarks:					

Course Title	Practice of Food Hygiene				
Type	Exercise	Number of credits	1 (1.6)	Hours	-
Course Instructor	Akio YAMADA, Kazuhiro HIRAYAMA				
Course Overview:					
<p>In this course, students learn basic knowledge and procedures to assure food safety, mainly in Japan. Students visit important site(s) for food safety assurance such as meat hygiene inspection office at slaughterhouse. Students also learn and practice methods to presume the cause and situation in food poisoning cases and to deal and proceed veterinary public health problems through exercise and simulation.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To understand principle and measures to assure food safety 2. To understand Japanese and Thai systems for food hygiene and veterinary public health 3. To understand and practice basic procedures to solve problems in veterinary public health and food hygiene 4. To learn how to discuss, conclude and communicate the results of analysis on the problems in veterinary public health and food poisoning cases 					
Course Schedule:					
<ol style="list-style-type: none"> 1. Visit important site(s) to assure food hygiene and safety such as meat hygiene inspection office at slaughterhouse 2. Discuss the differences in food hygiene and food safety measures between Thailand and Japan 3. Lecture for methods to solve basic food safety and veterinary public health problems 4. Simulation on the procedure for countermeasures against health hazard cases 5. Practice for communication with related sections about health hazard cases 6. Exercise on a case of food-borne health hazard to presume cause and situation 7. Practice for the skill to discuss, conclude and present the results 					
Remarks:					

Course Title	Rotated Practice of Small Animal Surgery				
Type	Exercise	Number of credits	4 (6.4)	Hours	-
Course Instructor	Ryohei NISHIMURA, Manabu MOCHIZUKI, Takayuki NAKAGAWA, Naoki FUJITA				
Course Overview:					
<p>Small animal surgical rotations utilize the case method approach. Under supervision the student records case histories, performs physical or orthopedic examinations as well as diagnostic and basic surgical and anesthetic procedures, and learns basic case and client management.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To obtain basic skill of out patient clinic 2. To obtain basic techniques of surgery and anesthesia/analgesia 					
Course Schedule:					
<ol style="list-style-type: none"> 1. Preliminary practice (out patient service, surgery, anesthesia) for three days 2. Soft tissue surgery, out patient clinic for two days 3. Orthopedics & Neurosurgery, out patient clinic for two days 4. Soft tissue surgery, surgery and anesthesia/analgesia for two days 5. Orthopedics & Neurosurgery, surgery and anesthesia/analgesi for two days 6. Case presentation for one day 					
Remarks:					
<p>The student who doesn't belong to School of Veterinary Medicine in Japan is not allowed to do any medical activity even under his/her supervisor's surveillance by law.</p>					

Course Title	Rotated Practice of Small Animal Internal Medicine				
Type	Exercise	Number of credits	4 (6.4)	Hours	-
Course Instructor	Hajime TSUJIMOTO, Naoaki MATSUKI, Koichi OHNO, Tomohiro YONEZAWA				
Course Overview:					
<p>The student records case histories, performs physical examinations of patients under the supervision of doctors. The student also learns diagnostic, basic medical procedures, basic treatments, and case and client management through discussion with members.</p>					
Course Goals:					
<ol style="list-style-type: none"> 1. To design a diagnostic scheme. 2. To make a differential diagnosis based on examination findings 3. To design a treatment plan and evaluate therapeutic effectiveness 					
Course Schedule:					
<ul style="list-style-type: none"> - Guidance for clinical rotations in the Veterinary Medical Center - Clinical rotations (around 8 weeks) - Writing a report and give a presentation of one specific case <p>The student should have knowledge of the following:</p> <ol style="list-style-type: none"> 1. Signs and symptoms of the condition 2. Differential diagnosis - what conditions may present in a similar fashion 3. Basic pathophysiology 4. Primary work up and treatment 5. Presentation techniques 					
Remarks:					
<p>The student who doesn't belong to School of Veterinary Medicine in Japan is not allowed to do any medical activity even under his/her supervisor's surveillance by law.</p>					