האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

VETERINARY TOXICOLOGY - 65727

Last update 08-10-2021

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Veterinary Medicine

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Dr. Sigal Klainbart

Coordinator Email: klainbart@gmail.com

Coordinator Office Hours: by email

Teaching Staff:

Dr. Olga Cuneah,
Dr. Nili Anglister,
Dr. Dalia Berlin,
Dr. Shani Scheinin,
Dr. Sigal Klinbert

Course/Module description:

General Toxicology, Diagnosis, Treatment, Pesticides, Elements, Feed-Related Toxicoses, Ionophores, Mycotoxins, Plant Toxins, Other Small Animal Toxicoses

Course/Module aims:

To acquire both theoretical and practical knowledge on toxicants and toxicosis in animals (farm and pet animals and wildlife) in Israel, with emphasis on diagnosis. In addition to the effects of toxicants on animals, descriptions of their treatment, effects on the environment and human health (including food of animal origin) will be given.

Learning outcomes - On successful completion of this module, students should be able to:

Expedite diagnosis of toxicosis in Israel, particularly differential diagnosis from other causes of ill health. Material will be given for each toxicant on frequency of toxicosis in Israel, prognosis, difficulty in diagnosis, and what materials are required to send to the Toxicology laboratory.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Teaching is based on lectures and a weekly report and discussion of real cases occurring during the duration of the course.

Course/Module Content:

Data on all groups of poisons found all over the world, with emphasis on the more common and expected toxicoses in Israel.

Required Reading:

none

Additional Reading Material:

Books

Small Animal Toxicology, Blackwell's Five-Minute Veterinary Consult, Wiley-Blackwell, 2011.
Veterinary Toxicology. Basic and Clinical Principles. Gupta, R.C. Academic Press, 2007.
Small Animal Toxicology. M.E. Peterson & P.A. Talcott. W.B. Saunders Co., 2005.
Clinical Veterinary Toxicology. K.H. Plumlee. Mosby, 2004.
Handbook of Poisoning in Dogs and Cats. A. Campbell & M. Chapman. Blackwell, 2000.
Small Animal Toxicology and Poisonings. R.F. Gfeller & S.P. Messonnier. Mosby, 1998.
Plant Poisonings and Mycotoxicoses of Livestock in Southern Africa. T.S. Kellerman et al. Oxford University Press, 2004.
Natural Toxicants in Feeds & Poisonous Plants. P.R. Cheeke, L.R. Shull. Avi, 1985.
Current Veterinary Therapy – various volumes contain useful updates, mainly on SA.

Internet

No specific veterinary toxicology URL, but are very many relevant sites, such as:-
Our (old) own website in English - http://www.vetserveng.moag.gov.il/VetServENG/Toxicology/Diagnosis/
Our own website in Hebrew - http://www.vetserv.moag.gov.il/Vet/Yechidot/Machon/Hormonim/default.htm
US Animal Poison Control Center - excellent, updated well http://aspcapro.org/poison
Medline - searchable, not for all veterinary journals http://www.ncbi.nlm.nih.gov/PubMed/ -
Google Scholar – good for finding papers http://scholar.google.co.il/scholar?q&eq;veterinary+toxicoses&btnG&eq;&hl&eq;en&as_sdt&eq;1%2C5
ToxNet - many places to search for specific topics http://toxnet.nlm.nih.gov/
Extoxnet - their Pesticide Information Profiles are good http://extoxnet.orst.edu/pips/ghindex.html
Pesticide database – thorough for searches http://www.pesticideinfo.org/
Martindale's Veterinary Health Science Guide – very comprehensive for Vet. Science topics http://www.martindalecenter.com/Vet.html

Course/Module evaluation:

End of year written/oral examination 74 %
Presentation 0 %
Participation in Tutorials 26 %
Project work 0 %
Assignments 0 %
Reports 0 %

Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:
26% of the Final Grade (other" above) comprises attendence in 13 lectures - 2% for each lecture. Signing in at each lecture constitutes presence