One Health track in the Danish veterinary medicine curriculum

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School of Veterinary Medicine and Animal Science

Faculty of Health and Medical Sciences

University of Copenhagen, Denmark
Denmark?
Denmark

16639 square miles
5.6 million inhabitants
20 millions pigs

One Vet School
in Copenhagen
(capital of Denmark)
The Royal Veterinary & Agricultural University

Faculty of Life Sciences at University of Copenhagen

Today:
School of Veterinary Medicines & Animal Science

Faculty of Health and Medical Sciences
University of Copenhagen (UCPH)
How to get into Vet School in Denmark?

Primary school (95%)  
6-16 years old  
10-11 years

High school (40%)  
16-19 years old  
2-3 years
180 students admitted yearly, ~85% women
The Danish DVM curriculum

Bachelor of Science in Veterinary Medicine
3 years – 180 ECTS

Student choices:
- Bachelor project

2½ years – 150 ECTS

- Tracking ½ year
- Veterinary (master) thesis ½ year
Tracking in the Danish DVM curriculum 2014

2½ years – 150 ECTS

Tracking
½ year

Companion animals (25%)
Equine (15%)
Biomedicine (20%)
Herd Health Management & Food Safety (40%)
Employment after obtained degree?

40% private practice
40% hired by public institutions (including research and teaching at universities, veterinary public health, international work......)
20% industry (mainly pharmaceutical)

Average salary of newly educated vet: $5600 per month
– minus about 40% in taxes
Tracking in the Danish DVM curriculum 2015

2½ years – 150 ECTS

Tracking
½ year

26.5 ECTS (credit points)

- Small Animals 25%
- Equine 15%
- Biomedicine 20%
- Herd Health Management 25%
- One Health 20%
One Health track (17 weeks starting Feb’15)

4 weeks common
intro:
Herd health &
food safety
Veterinary functions
One Health track (17 weeks starting Feb’15)

- AMR
- AM-use
- Surveillance
- Control programs
- Vector/airborne zoonoses
- Neglected zoonoses
- Summer School Abroad?
- OH concepts Framework
- Case work in groups
- Exam: Presentation of report and opponent of other reports

4 weeks common intro:
- Herd health & food safety
- Veterinary functions
One Health track (17 weeks starting Feb’15)

4 weeks common intro: 
Herd health & food safety
Veterinary functions

Vector/airborne zoonoses
Surveillance Control programs
AMR AM-use
Identification Tools (lab)

Neglected zoonoses
OH concepts Framework

Case work in groups
Exam: Presentation of report and opponent of other reports

3 weeks elective: 
Translational med. Summer School

One Health Summer School
One Health International
Summer School 2014
5 ECTS

9 weeks e-learning April 28 – June 27 2014 (2 ECTS)
(Work load: 6 hours per week)

2 weeks on campus in Copenhagen (3 ECTS)
August 11-22
as part of the Summer University

Planning integration into
the DVM track in One Health from 2015
Thank you for your attention 😊

‘One Health Certificate’ group in Florida 2013

Liza Rosenbaum Nielsen: liza@sund.ku.dk
One Health track (17 weeks starting Feb’15)

4 weeks common intro-course:
2 weeks about the functions of a herd veterinarian
✓ Herd visit, data collection, data analysis
✓ Discussions with herd owner
✓ Communication, legislation
✓ Statistical analyses of herd data (mainly cattle)

2 weeks about the functions of official veterinarians and vets employed by the livestock industry, national laboratories:
✓ Surveillance, wild life surveillance
✓ Principles of disease control
✓ Typing and tracing techniques .... etc.
One Health track (17 weeks starting Feb’15)

✓ 4 weeks common intro-course between Herd Health Management and One Health tracks in February
  2 reports must be approved incl. feedback from fellow students

✓ ‘Zoonoses and One Health’ March-June – in English
  7 weeks of weekly themes (lectures, lab/group work)

✓ 3 weeks ‘Own project’ (externship, travel, translational medicine, zoo, institutions ..... in May)

✓ 2 weeks working on case report in May-June
  Finalized by presentations and opponent role at oral examination (graded) in June (1 week)
One Health track (17 weeks starting Feb’15)

13 week ‘Zoonoses and One Health course’
Taught in English – other students at master level welcome to join

7 thematic weeks March-April

✓ One Health concepts and framework, terminology, code of conduct, burden assessment, stakeholders etc.
✓ Identification tools (lab) - 2 weeks (typing methods, MRSA.....)
✓ Drug resistance (e.g. ESBL, gut-flora, antimicrobial use)
✓ Step-wise strategy for surveillance and control (e.g. salmonella)
✓ Zoonosis case(s) (e.g. Q-fever, vector or airborne disease)
✓ Strategies for control of Neglected Zoonotic Diseases
One Health track (17 weeks starting Feb’15)

✓ 4 weeks common intro-course between Herd Health Management and One Health tracks in February
  2 reports must be approved incl. feedback from fellow students

✓ ‘Zoonoses and One Health’ March-June
  7 weeks of weekly themes (lectures, lab/group work)

✓ 3 weeks elective (externship, travel, translational medicine, zoo, institutions ……… in May-June)

✓ 2 weeks working on case report in May-June
  Finalized by presentations and opponent role at oral examination (graded) in June (1 week)
Employment after obtained degree?

N/A
Employment after obtained degree?

N/A