Through a combination of lectures, videos and discussions, this course is designed to give attendees a solid background in animal welfare science, ethics and law. Past attendees have included veterinarians (working in practice or for government or animal charities), animal welfare researchers and students, and animal charity workers/campaigners, and have come from a wide variety of countries: Australia, Brazil, Canada, Chile, Cuba, Ethiopia, Finland, Germany, Hong Kong, Ireland, Italy, Kenya, Norway, South Africa, Spain, Sweden, The Netherlands, the UK and the USA.

The Course, made up of five Sections, is taught by academics and professionals from many universities and organizations: Department of Veterinary Medicine, University of Cambridge; Department of Biomedical Science and Biomedical Ethics, University of Birmingham; Department of Law, University of Aberdeen; Department of Veterinary Science, University of Bristol; Royal Veterinary College, University of London; Royal (Dick) School of Veterinary Studies, University of Edinburgh; Department of Biological Sciences, University of Lincoln; Chester Zoo; Royal Society for the Prevention of Cruelty to Animals (RSPCA); and the Universities Federation for Animal Welfare (UFAW). People can book to attend all the sections or just the one(s) they are interested in.

**Content of the Course**

**Section 1:**
**Welfare Concepts and Assessment, and Zoo Animal Welfare**

Introduction - Concepts of animal welfare. Problems to be addressed.

Introduction to welfare assessment - behaviour, physiology and motivation, preference and aversion testing etc. Examples given in this module include farm animals, companion animals, horses, laboratory animals, zoo animals and wild animals.


Motivation, self-awareness and cognition in animals. Learning.

Motivational investigations in the assessment of welfare. Preference testing, operant testing, measures of aversion.

The welfare of zoo animals: topics to be discussed include the evolution of zoos; why welfare problems might arise in zoo animals; what sort of husbandry techniques can be used to maintain good welfare, or to improve welfare in cases where a problem has arisen; how zoo animal welfare can affect the conservation role of modern zoos. Some case studies of primate welfare assessments will be discussed.

Section 2: Law and Companion Animal Welfare

Participants will be expected to have read required material on welfare legislation, companion animal welfare issues and human–animal relationships.

Legislation protecting all domesticated species e.g. Protection of Animals Acts. Legislation on animal welfare in the UK and the EU in relation to farm animals. Legal protection of animals used in experimentation. Transport legislation and guidelines. The veterinary surgeon as expert witness in animal welfare cases.

Companion animal welfare issues: cruelty; neglect; behavioural problems; review of studies comparing different kennel and cattery designs and management systems; stray animals; shelter animals.

Human–animal relationships (historical and contemporary): influence of culture, socio-economic background and urbanisation. The role of the media in influencing public attitudes to animals and animal issues.

Section 3: Horse Welfare

Participants will be expected to have read required material on horse welfare.

The effects of housing and management systems, training procedures, reproduction management, exercise and work on horse welfare. The causation of poor welfare in horses.
Section 4: Principles of Ethics in Relation to Animal Use

Participants will be expected to have read required material on ethics, laboratory animal welfare, utility animals and the veterinary surgeons role in animal welfare.


Laboratory animals. Ethics in use. Housing and welfare. Stress associated with experimentation. Use of alternatives to animals. Requirements of regulatory authorities.

Welfare concerns for utility animals used in racing and hunting. Working dogs, guide dogs and hearing dogs, show animals and their breeding.

The Veterinary Surgeon's role in animal welfare: the State Veterinary Service; private practice; the named veterinary surgeon (experimental animals); interactions with animal welfare organisations.

Section 5: Farm Animal Welfare

Participants will be expected to have read required material on farm animal housing, transport, operations and slaughter.

Review of studies comparing different conventional and alternative housing systems for farm livestock: their effects on health and welfare.

Understanding of environmental factors affecting welfare e.g. pen design, stocking density, safety aspects, building design. Problems associated with barren and enriched environments, social grouping and husbandry procedures. Methods of assessing and improving environments.

Diseases related to animal housing. Lameness in cattle, leg weakness in poultry, wounding due to aggressive behaviour in pigs and poultry.

Specific problems of farm animals: identification of casualty animals, transport, slaughter.

Effects of routine surgical procedures: castration, tail docking, beak trimming.
When
The Course dates in 2011 are:

Section 1  Welfare Concepts and Assessment, and Zoo Animal Welfare  11–13 September 2011
Section 2  Law and Companion Animal Welfare  14–16 September 2011
Section 3  Horse Welfare  17 September 2011
Section 4  Principles of Ethics in Relation to Animal Use  19–21 September 2011
Section 5  Farm Animal Welfare  22–23 September 2011

Participants can pick and choose the sections they wish to attend – there is no need to attend all of them. However, those people who do not have a background in biology, zoology or veterinary science should attend Section 1 first, as this provides the background to animal welfare science.

Where
All Sections of the course will be held in Cambridge at St. Catharine’s College, Cambridge, UK (http://www.caths.cam.ac.uk). The College, which was founded in 1473, is on Trumpington Street, in the centre of the city.

There are no car parking facilities at the College, but some on-road parking is available about 10 minutes' walk away.

How
The Registration Form for the Course is below. It is also possible to register online at: https://sales.admin.cam.ac.uk/events/eventdetails.asp?eventid=175

Those who register will be sent a reading list in August by e-mail.

A maximum of 20 people can attend any one section. If fewer than 8 full-fee paying people register for a section, that section will be cancelled and all monies will be refunded.

The deadline for registering is Wednesday 31 August 2011.
Registration, Accommodation and Meals Form (one form per person)
(bookings can also be made online at:
https://sales.admin.cam.ac.uk/events/eventdetails.asp?eventid=175)

PLEASE PRINT CLEARLY

Title: ………….. Name: ……………………………………………………………………………………

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I wish to register for the following Sections (circle as appropriate):

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<tr>
<th>Section</th>
<th>Full Fee</th>
<th>Student Rate*</th>
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<tr>
<td>Section 1: Welfare Concepts &amp; Assessment, &amp; Zoo Animal Welfare</td>
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<td>£306.00</td>
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<td>Section 2: Law &amp; Companion Animal Welfare</td>
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<td>Section 3: Horse Welfare</td>
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<td>Section 4: Principles of Ethics in Relation to Animal Use</td>
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<td>Section 5: Farm Animal Welfare</td>
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Total Registration Cost

The registration fee includes morning and afternoon tea/coffee breaks each day.

* For full-time students registered for a Degree, there will be a 40% reduction in fees. Students must provide proof (e.g., letter from supervisor/university) of their status.
Accommodation

En-suite rooms are available at the college. All are single occupancy only and all have free internet access.

Room Rates:

Bed & Breakfast (B&B): £47.00 per person, per night.

I would like to book the following accommodation (tick as appropriate):

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<th>B&amp;B (£47.00 per day)</th>
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Total Accommodation Cost

If you would prefer to stay elsewhere during your stay in Cambridge, the following web site may be of help:

Also, other colleges may have rooms available – go to:
Meals

Lunch and dinner are taken in the Dining Hall of the college. The cost of each is £9.00 per person per day. Meals must be booked in advance, using this form.

I would like to book the following meals (tick as appropriate):

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<th>Date</th>
<th>Lunch (£9.00 per day)</th>
<th>Dinner (£9.00 per day)</th>
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<td>Sunday 11 September</td>
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**Total Meal Cost**

* For people arriving on Saturday 10 September, dinner is not available that night at the college.

Please state if you are vegetarian or vegan or have any special dietary requirements

If you prefer to eat outside the college, there are numerous pubs, bars, cafés and restaurants close by. A useful website is: [http://www.city-visitor.com/cambridge/restaurants.html](http://www.city-visitor.com/cambridge/restaurants.html)

**Total Cost of Booking**

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<td>Total Accommodation Cost</td>
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<tr>
<td>Total Meal Cost</td>
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<tr>
<td><strong>TOTAL</strong></td>
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</table>
Payment Methods:

Credit card
Fill in the online booking form at:
https://sales.admin.cam.ac.uk/events/eventdetails.asp?eventid=175

If you pay by credit card and use the online booking form, you do not need to fill in the paper form.

Cheque
Cheques must be drawn on a UK bank and paid in UK pounds sterling. Please make cheques payable to “University of Cambridge”.

Bank transfer
The University’s bank details follow. For the transfer, please use the reference “PN Animal Welfare Course”. Also, please instruct your bank that you wish to pay ALL transfer charges.

University of Cambridge Bank Account Details
Barclays Bank PLC
15 Bene’t Street
Cambridge CB2 3PZ, UK

Sort code: 20 17 19
Account Number: 10921084
IBAN Number: GB96BARC 20171910921084
SWIFT Code: BARCGB22

Please note that the maximum number of people who can attend each section is 20. All bookings will be taken on a first-come, first-served basis.

If fewer than 8 full-fee paying people register for a Section, that Section will be cancelled and all monies will be returned to registrants.

Registration and payment must be received by Wednesday 31 August, 2011.

This form must be sent with a cheque or bank transfer confirmation to:

Dr Anthony L. Podberscek
University of Cambridge
Centre for Animal Welfare & Anthrozoology
Department of Veterinary Medicine
Madingley Road
Cambridge CB3 0ES, UK

For enquiries, either phone (+44 (0)1223 330846) or send an e-mail (alp18@cam.ac.uk).