Preliminary ECTS, PG CABW3 2017 - 2018

Course	Postgraduate Course in Companion Animal Behaviour and Welfare (PG CABW3)
Course unit title	**Module 1 – Introduction to the scientific study of companion animal behaviour and welfare**
Type of course unit: Obligatory/Optional	• Obligatory • Requests for exemptions should be submitted to the course coordinator before the 18th of September 2017 following the instructions described in the document ' Procedure exemptions PG CABW'.
Prerequisites and co-requisites	• Students should have a bachelor diploma or have successfully completed the application procedure for the PG CABW course. • Students will study the behaviour and welfare of dogs and cats (obligatory) and one optional category, being rabbits and rodents or horses.
Level of course unit	Postgraduate
Language	English
Year of study – date course unit is delivered	2017 – 2nd of October
Number of ECTS credits allocated to the unit	• 3 credits

General course learning aims	Students will have:
	• An in-depth understanding of the normal behaviour, behavioural needs and welfare of companion animals.
	• Have the expertise to assess the behaviour and welfare of companion animals.
	   o To be able to identify factors contributing to welfare and behaviour problems.
	   o To be able to advise owners and professionals on how to establish good welfare and prevent related behaviour problems in companion animals.
	• The theoretical knowledge for diagnosing behaviour problems and composing behaviour modification programs.
	• Practical handling and training skills for implementing behaviour modification programs, in the context of:
	   o behaviour consulting services
	   o within a shelter environment
	   o within a training establishment.

	• Professional skills in client counselling and effective communication. • The ability to translate scientifically based knowledge to daily practice.
Key learning outcomes of the unit	• Development of scientific thinking and the ability to communicate that understanding. • Understanding the neurophysiological and neuropsychological basis of behaviour in mammals.

Learning outcomes of the course unit	• Students will be able to:
	   o Search for and select scientific literature appropriate to their goal.
	   o Judge the relevance to the objective and credibility of the literature.
	   o Communicate the information in a format appropriate for communication to professional and non-professional audiences in writing.
	• Students will have a critical attitude, consisting of precision, reflection, curiosity regarding scientific enquiry and practical application.
	• Students will learn to assume responsibility regarding the choices they make and the opinions they express.
	• Students will have an understanding of the neurophysiological and neuropsychological basis of behaviour of mammals especially of dogs and cats (obligatory) and one category of choice being rabbits and rodents or horses. Students will be able to describe the functional anatomy and physiology of the nervous system, the endocrine system, emotional systems, the neurophysiological and emotional basis of pain and will be able to demonstrate an understanding of how these affect behaviour.

Course contents	• Searching and reviewing the scientific literature. • Critical reading and assessing the quality of scientific literature. • An overview of statistical methods commonly used in scientific research. • How to evaluate statistical tests as a non-statistician. • How to write assignments. • The functional anatomy, physiology and development of the nervous system and its role in mediating behaviour. • The functional anatomy and physiology of the endocrine system and its role in mediating behaviour. • The neurophysiological and emotional basis of pain. • The foundations of human and animal emotions. The anatomy, physiology of the emotional brain and its role in mediating behaviour.

Planned learning activities and teaching methods	• Distance learning consisting of a literature study and online PowerPoint lecture presentations.
Assessment methods and criteria	• Exam with multiple-choice questions. • Grading: To pass the MC exam a minimum 50% of has to be achieved. • A tolerance can be applied to this unit (see the OER).
Essential study materials	• Course materials provided by the lecturers.
Recommended or required reading	• See reading list provided in the course syllabus.
Unit coordinators	Jolanda Pluijmakers (Jolanda@davalon.nl) and David Appleby (appleby@abklinikka.com).
Lecturers	Deborah Temple Christos Karagiannis
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Course	Postgraduate Course in Companion Animal Behaviour and Welfare (PG CABW3)
Course unit title	**Module 2 – Ethology and biology of companion animals**
Type of course unit: Obligatory/Optional	• Obligatory • Requests for exemptions can be submitted to the course coordinator before the 18th of September 2017 following the instructions described in the document ' Procedure exemptions PG CABW'.
Prerequisites and co-requisites	• The student should have taken part in module 1 or have an exemption for module 1. • The students study the behaviour and welfare of dogs and cats (obligatory) and one optional category, being rabbits and rodents or horses.
Level of course unit	Postgraduate
Language	English
Year of study – date course unit is delivered	2017 – 6st of November
Number of ECTS credits allocated to the unit	• 10 credits

General course aims	Students will have:
	
	• An in-depth understanding of the normal behaviour, behavioural needs and welfare of companion animals.
	• Have the expertise to assess the behaviour and welfare of companion animals.
	    o To be able to identify factors contributing to welfare and behaviour problems.
	    o To be able to advise owners and professionals on how to establish good welfare and prevent related behaviour problems in companion animals.
	• The theoretical knowledge for diagnosing behaviour problems and composing behaviour modification programs.
	• Practical handling and training skills for implementing behaviour modification programs, in the context of:
	    o behaviour consulting services
	    o within a shelter environment
	    o within a training establishment.

	• Professional skills in client counselling and effective communication. • The ability to translate scientifically based knowledge to daily practice.
Key learning outcomes of the unit	• Introducing the concepts and essential subject matters necessary for an in-depth understanding of the biological bases of animal behaviour in general and the biology, ontogeny, phylogeny and ethogram of companion animals in particular.
Learning outcomes of the course unit (assessed elsewhere).	Students will be able to: • Demonstrate the current understanding of the biology and ethology of dogs, cats and the species of their choice from the categories of rabbits and rodents or horses. • Interpret communicative behaviour. Recognise, evaluate and report on the behavioural state of an animal, including normal behaviour and behaviour indicative of a positive and negative state. • Demonstrate an understanding of how the processes of behavioural ontogeny and phylogeny affect the behaviour of specific species, evaluate their importance for the development of normal behaviour, the prevention of abnormal behaviour and optimizing individual welfare. • Provide information and advise professionals and non-professionals on the requirements for providing optimal welfare for a companion animal. Including: providing advice on animal selection, housing, nutritional, environmental, behavioural, social and emotional needs.
Course contents	• The field of applied ethology and its importance in relation to animal welfare. • The principles of ethology including: general principles of behaviour genetics and the evolution of behaviour. The process of domestication and its effect on behaviour. The concept of dominance. • The biology and behaviour of dogs, cats, rabbits, rodents and horses including: body structures, movement, sensory physiology and abilities, motivation and organization of behaviour, nutrition and health. • The ontogeny and phylogeny of behaviour of dogs, cats, rabbits, rodents and horses, including: the process of domestication of the specific species, sensitive periods, socialisation, attachment, breeds and breed differences. Behavioural development. The effect on the behaviour of the specific species resulting from the interaction between biological, genetic, environmental influences and the domestic environment.

	• The ethogram of normal behaviour of dogs, cats, rabbits, rodents and horses, including: communicative behaviour, social behaviour, sexual behaviour, ingestive behaviour, eliminative behaviour, locomotive behaviour, maternal behaviour, behaviour indicative of a positive and negative emotional state.
Planned learning activities and teaching methods	• Distance learning consisting of a literature study and online PowerPoint lecture presentations.
Assessment methods and criteria	• Individually composed written assignment. • Grading: To be pass the assignment a minimum 50% has to be achieved. • No tolerance can be applied to this unit (see the OER).
Essential study materials	• Course materials provided by the lecturers.
Recommended or required reading	• See reading list provided in the course syllabus.
Unit coordinator	• Jolanda Pluijmakers (Jolanda@davalon.nl) and David Appleby (appleby@abklinikka.com).
Lecturers	David Appleby Anouck Haverbeke Anne McBride Jolanda Pluijmakers Adinda Sannen Anne Seawright Hilde Vervaecke
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Preliminary ECTS, PG CABW3 2017 - 2018

Course	Postgraduate Course in Companion Animal Behaviour and Welfare (PG CABW3)
Course unit title	**Module 3 – Welfare of companion animals**
Type of course unit: Obligatory/Optional	• Obligatory • Requests for exemptions should be submitted to the course coordinator before the 19th of September 2017 following the instructions described in the document ' Procedure exemptions PG CABW'.
Prerequisites and co-requisites	• The student should have taken part in Module 1 and 2 or have an exemption for these modules. • The students study the behaviour and welfare of dogs and cats (obligatory) and one optional category, being rabbits and rodents or horses.
Level of course unit	Postgraduate
Language	English
Year of study – date course unit is delivered	2018 - 8th of January
Number of ECTS credits allocated to the unit	• 4 credits

General course aims	Students will have:
	
	• An in-depth understanding of the normal behaviour, behavioural needs and welfare of companion animals.
	• Have the expertise to assess the behaviour and welfare of companion animals.
	    o To be able to identify factors contributing to welfare and behaviour problems.
	    o To be able to advise owners and professionals on how to establish good welfare and prevent related behaviour problems in companion animals.
	• The theoretical knowledge for diagnosing behaviour problems and composing behaviour modification programs.
	• Practical handling and training skills for implementing behaviour modification programs, in the context of:
	    o behaviour consulting services
	    o within a shelter environment
	    o within a training establishment.
	• Professional skills in client counselling and effective

	communication. • The ability to translate scientifically based knowledge to daily practice.
Key learning outcomes of the unit	• An in-depth understanding of the scientific principles, essential definitions and the ethological, psychological, physiological concepts underlying the welfare of companion animals. • Critically appraise concepts and methods used for the evaluation of animal welfare. Evaluate the welfare and methods used to provide or optimise the welfare of companion animals in a broad range of environments.
Learning outcomes of the course unit	Students will be able to: • Critically appraise concepts and methods used for the evaluation of animal welfare and will be capable of evaluating the welfare of companion animals in a broad range of environments (including issues occurring in clinical practice). • Evaluate ethical issues arising from assessment of animal welfare and propose practical solutions to professionals and non-professionals to address, alleviate and avoid welfare problems in companion animals.
Course contents	• The concepts of welfare and Quality of life (QoL). • The biology of stress. The basic principles and implications for animal welfare including: neuroendocrine, immune system responses and metabolic consequences of short term and long term stress. Health, pain, the social and non-social environment as stressors. Consequences of genetics, stress and experiences during early development on behaviour and temperament. • Common methods used to measure welfare of companion animals, including describing and identifying physiological indicators, behavioural indicators of positive and negative emotions and clinical indicators of the welfare status of companion animals. • Sentience and animal welfare, including: cognitive abilities, coping strategies, predictability and control, motivation and demands, feelings and emotions. Awareness, consciousness and suffering. • Welfare considerations in the management, working and training of companion animals and in clinical practice. • Welfare needs and common welfare issues in dogs, cat, rabbits and rodents and horses. • Quality of life of the behavioural patient.
Planned learning activities and teaching methods	• Distance learning consisting of a literature study and online PowerPoint lecture presentations.

Assessment methods and criteria	• Exam with multiple-choice questions. • Individually composed written assignment. • To pass for this module a minimal total score of 10 out of 20 points is needed. The assignment and the multiple-choice exam each load for 50% of the total score. • A tolerance can be applied to this unit (see the OER).
Essential study materials	• Course materials provided by the lecturers.
Recommended or required reading	• See reading list provided in the course syllabus.
Unit coordinator	Jolanda Pluijmakers (Jolanda@davalon.nl) and David Appleby (appleby@abklinikka.com)
Lecturers	Xavier Manteca Jolanda Pluijmakers
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Course	Postgraduate Course in Companion Animal Behaviour and Welfare (PG CABW3)
Course unit title	**Module 4 – Pets and people in our society**
Type of course unit: Obligatory/Optional	• Obligatory • Requests for exemptions should be submitted to the course coordinator before the 18th of September 2017 following the instructions described in the document 'Procedure exemptions PG CABW'.
Prerequisites and co-requisites	• The student should have taken part in Module 1,2 and 3 or have an exemption for these modules. • The students study the behaviour and welfare of dogs and cats (obligatory) and one optional category, being rabbits and rodents or horses.
Level of course unit	Postgraduate
Language	English
Year of study – date course unit is delivered	2018 – 2nd of February
Number of ECTS credits allocated to the unit	• 3 credits

General course aims	Students will have:
	• An in-depth understanding of the normal behaviour, behavioural needs and welfare of companion animals.
	• Have the expertise to assess the behaviour and welfare of companion animals.
	    o To be able to identify factors contributing to welfare and behaviour problems.
	    o To be able to advise owners and professionals on how to establish good welfare and prevent related behaviour problems in companion animals.
	• The theoretical knowledge for diagnosing behaviour problems and composing behaviour modification programs.
	• Practical handling and training skills for implementing behaviour modification programs, in the context of:
	    o behaviour consulting services
	    o within a shelter environment
	    o within a training establishment.
	• Professional skills in client counselling and effective communication.

	• The ability to translate scientifically based knowledge to daily practice.
Key learning outcomes of the unit	• Critical appraisal of the concepts of ethical thinking. An understanding of how these affect human-animal interaction, the behaviour and welfare of people and companion animals in a variety of situations. • Development of professional ethical thinking and decision making. • The ability to advise professionals and non-professionals on ethical issues and the implementation of guidelines, taking legal obligations, safety concerns and the legal implications of providing professional advice into consideration.
Learning outcomes of the course unit	Students will be able to: • Explain the most commonly held ethical positions and how they affect the human animal bond, human animal interaction and the welfare of companion animals. • Critically reflect and justify their own opinion and decision making regarding the use and treatment of companion animals. • Demonstrate an understanding of the most important legislation regarding the keeping and care of companion animals. • Describe ethical and legal responsibilities and limitations of the role of owners, paraprofessionals, veterinary surgeons and animal behaviourists. • Identify and evaluate ethical and legal issues effectively. Decide upon actions that may be necessary for addressing ethical and legal issues and ability to advise upon and implement guidelines.
Course contents	• Anthrozoology the science studying the interaction between humans and animals and its relevance to companion animal behaviour and welfare. • The psychology of the human-animal bond and its effect on the behaviour and welfare of humans and companion animals, including: the human animal bond in historical and cultural perspective and tests and measurements to evaluate the human-animal bond. • Broken bonds, including: understanding the experience of pet relinquishment, pet loss and grief. • Animal rights and ethical guidelines relating to the use of companion animals, including: the welfare of animals used for science, food, work, assistance, sport and held as pets. The abuse and neglect of companion animal. The overlap between animal abuse and family violence. • Basic concepts in ethical thinking, the historical perspective and

	practical application.
	• European legislation in relation to the ownership and use of animals, the role and duties of the animal behaviourist, veterinary surgeon, paraprofessionals, owners and others within it. Including: legal implications and duties associated with the provision of advice and professional liability and client confidentiality. The implications for the animal behaviourist, their clients and others regarding employment law, health, safety and data protection legislation.
Planned learning activities and teaching methods	• Distance learning consisting of a literature study and online PowerPoint lecture presentations.
Assessment methods and criteria	• Individually composed written assignments. • Grading: Each assignment loads for 50% of the total mark. To pass for the module a minimum of 50% in total has to be achieved. Each assignment should have a minimum score of 50%. • A tolerance can be applied to this unit (see the OER).
Essential study materials	• Course materials provided by the lecturers.
Recommended or required reading	• See reading list provided in the course syllabus.
Unit coordinator	Jolanda Pluijmakers (Jolanda@davalon.nl) and David Appleby (appleby@abklinikka.com).
Lecturers	Stef Aerts Anthony Podberscek
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Course	Postgraduate Course in Companion Animal Behaviour and Welfare (PG CABW3)
Course unit title	**Module 5 – Animal learning** **- Part 1: The theory of animal learning** **- Part 2: Training animals in practice**
Type of course unit: Obligatory/Optional	• Obligatory • Requests for exemptions should be submitted to the course coordinator before the 18th of September 2017 following the instructions described in the document 'Procedure exemptions PG CABW'.
Prerequisites and co-requisites	The student should have taken part or have an exemption for the modules 1,2,3 and 4.
Level of course unit	Postgraduate
Language	English
Year of study – date course unit is delivered	Part 1: 5th of March 2018 Part 2: 29th of May 2018

Number of ECTS credits allocated to the unit	• Total: 3 credits
	  - Part 1: The theory of animal learning - 2 credits
	  - Part 2: Training animals - 1 credit

General course aims	Students will have:
	
	• An in-depth understanding of the normal behaviour, behavioural needs and welfare of companion animals.
	• Have the expertise to assess the behaviour and welfare of companion animals.
	  ○ To be able to identify factors contributing to welfare and behaviour problems.
	  ○ To be able to advise owners and professionals on how to establish good welfare and prevent related behaviour problems in companion animals.
	• The theoretical knowledge for diagnosing behaviour problems and composing behaviour modification programs.
	• Practical handling and training skills for implementing behaviour modification programs, in the context of:
	  ○ behaviour consulting services
	  ○ within a shelter environment
	  ○ within a training establishment.
	• Professional skills in client counselling and effective

	communication.
	• The ability to translate scientifically based knowledge to daily practice.
Key learning outcomes of the unit	Part 1: The student will:
	• Have an in-depth understanding of the principles of associative and non-associative learning in animals.
	• Be able to explain how these principles affect behaviour, emotions and welfare.
	• Be able to explain the theory underlying training techniques, learned problem behaviours and basic behaviour modification techniques.
	Part 2: The student will acquire the practical skills needed to correctly handle companion animals and modify their behaviour through the appropriate selection and application of training techniques and training equipment. (Dogs and cats (obligatory) and either rabbits or horses (optional).
Learning outcomes of the course unit (assessed elsewhere).	Upon successful completion of the module the student will:
	• Be able to articulate their understanding of the theory of animal learning, training techniques and basic behaviour modification techniques.
	• Understand the rational for the use of different training techniques, training aids and basic behaviour modification techniques and how they affect behaviour and animal welfare.
	• Be able to critically assess the strength and weakness of each training technique and training aid.
	• Posses the theoretical knowledge and practical skills to use training techniques and training aids effectively and correctly.
	• Be able to develop, review and updated training plans for individual animals and their handlers.
	• Be able to train animals and instruct and demonstrate to professionals and non-professionals on how to train their animals in accordance with a training plan.
Course contents	Part 1:
	• The neurobiology of learning and memory.
	• The theory of animal learning, including: habituation, sensitisation, classical conditioning, operant conditioning, stimulus control of behaviour, the integration of learning experiences with emotional processing and resultant behavioural organisation.
	• Animal cognition: insight and social learning, social competence and animal intelligence.

	• Basic procedures and techniques used during a broad range of training techniques and basic behaviour modification techniques including habituation, systematic desensitization, operant and classical counter conditioning. Part 2: • Practical skills in appropriate handling of companion animals. (Dogs and cats obligatory. One species of choice, being rabbits or horses, optional). • Observing and interpreting the behaviour of animals and their handlers. How to communicate with the animal and handler and implement the observations in the development of a training plan and during a training session. • Developing the skills to apply basic procedures and techniques used during a broad range of training techniques and training aids in practice.
Planned learning activities and teaching methods	• Part 1: Distance learning consisting of a literature study and online PowerPoint lecture presentation. • Part 2: Practical workshops individual and in groups.
Assessment methods and criteria	• Part 1: Exam with multiple-choice questions. To pass the exam a minimal score or 10 out or 20 points are needed. • Part 2: Continuous evaluation during workshops and an individually composed written assignment. • To pass for the multiple-choice exam and assignment a minimal score of 10 out or 20 points are needed for each. • The scores of part 1 and part 2 each load for 50% on the total score for this module. • A tolerance cannot be applied to this unit (see the OER).
Essential study materials	• Course materials provided by the lecturers.
Recommended or required reading	• See reading list provided in the course syllabus.
Unit coordinator	Jolanda Pluijmakers (Jolanda@davalon.nl) and David Appleby (appleby@abklinikka.com)
Lecturers	Marta Amat Tomàs Camps Morey Jolanda Pluijmakers Christine Halsberge Anouck Haverbeke Eva Lambrecht Josine Warnier
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