

ANIMAL CARE 2018-19

| Year 1 | | |
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| Semester 1 | | |
| Course | Parts | CFU |
| Bioethics and legislation | Bioethics | 6 |
| | Relevant legislation and animal protection | 6 |
| Applied Chemistry and Biochemistry | Applied Biochemistry | 6 |
| | Organic Chemistry | 5 |
| Semester 2 | | |
| Course | Parts | CFU |
| Applied mathematics and physics | Applied physics | 6 |
| | Applied mathematics | 4 |
| | Data management systems | 2 |
| Animal biology and genetics | General Biology | 6 |
| | Applied animal genetics | 6 |
| Comparative Animal Anatomy | Comparative Animal Anatomy I | 5 |
| | Comparative Animal Anatomy II | 4 |
| Year 2 | | |
| Semester 1 | | |
| Course | Parts | CFU |
| Principles of Prevention and Control of Transmissible Animal Diseases | Principles of Prevention and Control of Infectious Diseases I | 3 |
| | Principles of Prevention and Control of Infectious Diseases II | 3 |
| | Principles of Prevention and Control of Parasitic Diseases | 4 |
| Comparative Animal Physiology | Comparative Animal Physiology I | 5 |
| | Comparative Animal Physiology II | 3 |
| | Physiological basis of pain, suffering and distress and general ethology | 6 |
| Animal Husbandry and welfare | Animal Husbandry and welfare | 6 |
| | Environmental quality | 2 |
| Semester 2 | | |
| Course | Parts | CFU |
| Basics of animal nutrition and feeding | Basics of animal nutrition and feeding I | 4 |
| | Basics of animal nutrition and feeding II | 2 |
| General concepts of pharmaco-toxicology | General concepts of pharmaco-toxicology | 4 |
| | General concepts of pharmaco-toxicology | 2 |
| | Concepts of general anaesthesiology | 2 |
| General pathology and laboratory techniques | General pathology and laboratory techniques | 6 |
| Comparative animal reproduction, neonatology and breeding techniques | Comparative animal reproduction, neonatology and breeding techniques | 5 |
| | Elements of neonatology | 3 |
| Communication skills | | 2 |
| Year 3 | | |
| Semester 1 – Curriculum <i>Wild Animals</i> | | |
| Course | Parts | CFU |
| Comparative ecology and ethology | Applied ecology | 6 |
| | Wild animal behaviour and training | 4 |
| Wild animal care in clinical settings | Wild animal care in clinical settings I | 5 |
| | Wild animal care in clinical settings II | 3 |
| Principle of post-mortem technics and tissue sampling | Principle of post-mortem technics and tissue sampling | 6 |
| Wild animal husbandry, management and welfare | Wild animal husbandry, management and welfare | 6 |
| | Business management | 2 |
| Semester 1 – Curriculum <i>Lab Animals</i> | | |
| Course | Parts | CFU |
| Laboratory animal care in clinical settings and pain assessment | Laboratory animal care in clinical settings and pain assessment I | 5 |
| | Laboratory animal care in clinical settings and pain assessment II | 3 |
| | General concepts of pharmaco-toxicology | 2 |
| Comparative pathology | Principle of post-mortem technics and tissue sampling | 5 |
| | Methods for producing and analysing animal models | 3 |
| Laboratory animal ethology and welfare | Laboratory animal husbandry and welfare I | 4 |
| | Laboratory animal husbandry and welfare II | 2 |
| | Laboratory animal ethology | 2 |
| Statistics of experimental designs and the three Rs issues | Statistics of experimental designs and the three Rs issues | 6 |
| Semester 2 | | |
| Activity | | CFU |
| Free elective courses | | 12 |
| Practical training | | 12 |
| Final dissertation | | 6 |