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| **Comportement animal BIOL - F411** | |
| **I. General information** | |
| Title of the teaching unit **\*** | Animal Behaviour |
| Course language **\*** | Taught in French |
| Level of the qualification framework **\*** | Niveau 7 (2e cycle-MA/MC/MA60) |
| Discipline **\*** | Biological sciences |
| Lecturer(s)\* [including the coordinator] **\*** | Serge ARON (coordonnateur), Claire DETRAIN |
| **II. Location of the course** | |
| Co-required teaching unit(s) **\*** |  |
| Pre‐required teaching unit(s) **\*** |  |
| Pre‐required knowledge and skills **\*** | Background in evolutionary biology |
| Study programme(s) featuring the teaching unit | - M-BIORA-G - Master en biologie des organismes et écologie, à finalité approfondie - Option générale (5 crédits, obligatoire) - M-BIORD - Master en biologie des organismes et écologie, à finalité didactique (5 crédits, obligatoire) <="" td=""> |
| **III. Objectives and methodologies** | |
| Contribution of the teaching unit to the programme profile **\*** |  |
| Objectives of the teaching unit (and/or specific learning outcomes) **\*** | Evolutionary approach of animal behaviour. |
| Contents of the teaching unit **\*** | Analysis of proximate and ultimate (evolutionary) causes of animal behaviour. Development of behaviour: genetics, endocrinology and adaptive value of learning. Instinct, motivation and ritualisation of behaviour. Introduction to chronobiology. Evolution of communication. Behavioural ecology: antipredation, optimal foraging and habitat selection. Evolution of reproductive behaviour and mating systems. Social behaviour. Animal domestication. |
| Teaching method and learning activities **\*** | Plenary lecture |
| Essential course materials **\*** | No |
| Other course materials |  |
| References, bibliography and recommended reading **\*** | Alcock J. - Animal Behaviour. An Evolutionary Approach. 7th édition. Sinauer. Danchin E., Giraldeau L.A., Cézilly F. - Behavioural Ecology. Oxford University Press. Aron S., Passera L. - Les Sociétés Animales. Evolution de la Coopération et Organisation Sociale. De Boeck Université. |
| **IV. Assessment** | |
| Method(s) of assessment **\*** | Oral examination |
| Construction of the mark (including the weighting of the various partial marks) **\*** |  |
| Assessment language **\*** |  |
| **V. Practical organisation** | |
| Organising institution **\*** | ULB |
| Managing faculty **\*** | Sciences |
| Four‐month period **\*** | Premier quadrimestre (NRE : 18914) |
| Schedule **\*** | [Premier quadrimestre](http://gehol.ulb.ac.be/gehol/Vue/HoraireCours.php?semaine_unif=114&cours=BIOLF411) |
| Schedule volume |  |
| **VI. Educational coordination** | |
| Contact **\*** | Serge Aron, UC4 153 |
| Teaching location **\*** |  |
| **VII. Other information relating to the teaching unit** | |
| Notes |  |
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