

# Opasraportti

## FHum - Human Evolution and Behavior (2020 - 2021)

University's new study guide for academic year 2020-2021 is published at <https://opas.peppi oulu.fi>

The study guide includes information on degrees, curriculums, courses and course timetables. Course registrations are still done in Oodi.

If you have questions on information in the study guide, please contact the study field's Academic Affairs Service Team <https://www oulu.fi/forstudents/faculty-study-affairs>

## Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

751366A: Animal behaviour, 5 op  
 687361P: Biology and Culture, 5 op  
 694815S: Evolution of communication, 5 op  
 750336A: Evolutionary ecology, 5 op  
 700168A: Evolutionary thinking from Antiquity to neo-Darwinism, 5 op

## Opintojaksosten kuvaukset

### Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

#### **751366A: Animal behaviour, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Biology

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen oppimateriaali:**

Krebs, John R. , , 1993

Viitala, Jussi , , 2005

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 133 hours of work.

**Language of instruction:**

English.

**Timing:**

B.Sc. 3<sup>rd</sup> spring or M.Sc. 1<sup>st</sup> spring ECOz.

**Learning outcomes:**

Gain an understanding of the principles of animal behaviour in the context of evolutionary ecology. Introduction to relevant international and national studies on animal behavior.

**Contents:**

The course is planned for third year students. It gives an overview of modern behavioural ecology, with the emphasis on animal sociality and interactions within and between species. The topics include sexual selection, sexuality, parental care, co-operation and learning. In addition, the lectures cover species interaction, such as predation and predation avoidance. Further examples on applied animal behaviour research and ethology are provided. Participation in lectures, group work and seminars is compulsory. Student report / learning diary (in Finnish or English), covering each week's lectures, will be collected online (Optima interface).

**Mode of delivery:**

Face-to-face teaching.

**Learning activities and teaching methods:**

36 h lectures, group work, seminars, exam (voluntary).

**Target group:**

B.Sc. degree optional to ECO, M.Sc. degree compulsory to ECOz.

**Prerequisites and co-requisites:**

No.

**Recommended optional programme components:**

-

**Recommended or required reading:**

Davis, NB, Krebs, JR, & West, SA N.B. (2012) An Introduction to Behavioural Ecology, 4th ed, Wiley-Blackwell.

The availability of the literature can be checked from [this link](#)

**Assessment methods and criteria:**

(evaluation) Learning diaries and voluntary exam.

**Grading:**

Numerical grading scale 0 – 5, where 0 = fail.

**Person responsible:**

FT Olli Loukola.

**Working life cooperation:**

No.

**Other information:**

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## 687361P: Biology and Culture, 5 op

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Markku Niskanen

**Opintokohteen kielet:** English, Finnish

**Leikkaavuudet:**

ay687361P Biology and Culture (OPEN UNI) 5.0 op

**ECTS Credits:**

5

**Language of instruction:**

Finnish/English

**Timing:**

1<sup>st</sup> year

**Learning outcomes:**

Students will be able to utilise basic concepts of biological anthropology and explain the evolution of the human species and its geographical variations. Students will be able to define interaction and relations between biology, culture and the environment. Students will also be able to explain the variations of the human species. Students will be able to define the concepts concerning health, sickness, gender, embodiment, and human being as socially constructed and culturally diverse.

**Contents:**

Biocultural evolution of humans; relationship of biology, culture, and the environment; biological and cultural variation and adaptation; cultural construction of concepts of health, sickness, gender, and embodiment

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures

**Target group:**

First-year students of Cultural Anthropology and Archaeology

**Prerequisites and co-requisites:**

None

**Recommended optional programme components:**

None

**Recommended or required reading:**

Material handed out during lectures

**Assessment methods and criteria:**

Written learning diary and a research paper

**Grading:**

0–5

**Person responsible:**

University Researcher Markku Niskanen

**Working life cooperation:**

None

**694815S: Evolution of communication, 5 op**

**Voimassaolo:** 21.09.2016 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Matti Lehtihalmes

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

Spring 2017

**Learning outcomes:**

Students learn about the special features of communication of human and other animals, various forms of human linguistic and non-linguistic communication as well as different theories of evolution of human speech and language. After the course, students are able to explain basic evolutionary routes of communication.

**Contents:**

Forms and features of animal communication. Evolution of cognition and culture. Evolution of speech, language and interaction.

**Mode of delivery:**

Lectures and workshops 20 h; independent work 115 h

**Learning activities and teaching methods:**

Lectures and learning diary

**Target group:**

Not specified

**Prerequisites and co-requisites:**

No prerequisites

**Recommended or required reading:**

Scientific literature on the evolution of communication

**Assessment methods and criteria:**

In order to pass the course, students have to actively participate in the classes, return their writing assignments in time and display their knowledge about the contents of the course as well as their own thinking about the subject in the learning diary.

**Grading:**

Pass/fail

**Person responsible:**

Matti Lehtihalmes

**Working life cooperation:**

None

**Other information:**

The course is part of the minor subject "Human evolution and behaviour"

**750336A: Evolutionary ecology, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Biology

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Topi Lehtonen

**Opintokohteen oppimateriaali:**

**Björklund, Mats**, , 2009

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 133 hours of work.

**Language of instruction:**

Finnish / (English).

**Timing:**

B.Sc. degree 2<sup>nd</sup> autumn.

**Learning outcomes:**

To understand main principles of evolution and the concepts of natural selection, fitness and adaptation. Learn basics of life-history adaptation, speciation processes and social evolution.

**Contents:**

The aim of the course is to introduce a student to the main topics of evolutionary ecology, for example basic concepts of natural selection and evolution, selection level, speciation, evolution of life histories, also interactions between and within species are included. Review to the latest research results.

**Mode of delivery:**

Face-to-face teaching.

**Learning activities and teaching methods:**

36 h lectures. Lectures and seminars compulsory, exam.

**Target group:**

BS and ECO compulsory, TEAeco optional.

**Prerequisites and co-requisites:**

No.

**Recommended optional programme components:**

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**Recommended or required reading:**

Lectures and seminars.

**Assessment methods and criteria:**

Seminar and exam.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Numerical grading scale 0 – 5, where 0 = fail.

**Person responsible:**

Prof. Arja Kaitala and Dr. Topi Lehtonen.

**Working life cooperation:**

No.

**Other information:**

Gaudeamus, Stearns, S. and Hoekstra, R. F. 2005: Evolution, An Introduction. Oxford University Press, New York, 575 p

**700168A: Evolutionary thinking from Antiquity to neo-Darwinism, 5 op**

Voimassaolo: 07.09.2016 -

**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Pietikäinen, Petteri Olli**Opintokohteen kielet:** Finnish**Voidaan suorittaa useasti:** Kyllä**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

Free

**Learning outcomes:**

Students learn about the history of evolutionary thinking and are able to explain the main developments in this history from Antiquity to the late 20th century.

**Contents:**

Topics to examine include the ideas of human nature and "great chain of being" from the Greek philosophy to the early modern age; the idea of evolution from the Enlightenment to Darwin; theories of evolution from Darwin to the late 20th-century Neo-Darwinism; and a discussion about the points of contact between biological and human sciences.

**Mode of delivery:**

Lectures and workshops 24 h; independent work 111 h

**Target group:**

Not specified

**Prerequisites and co-requisites:**

No prerequisites

**Recommended or required reading:**

Assigned literature

**Assessment methods and criteria:**

In order to pass the course, students have to actively participate in the classes, return their writing assignments in time and display their knowledge about the contents of the course as well as their own thinking about the subject in the learning diary.

**Grading:**

Pass/fail

**Person responsible:**

Petteri Pietikäinen

**Working life cooperation:**

None

**Other information:**

The course is part of the minor subject "Human evolution and behaviour"