

Master ANTHROPOLOGY

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Anthropological Institute and Museum - for research into the origins of human morphology and behavior

Work at the Anthropological Institute and Museum is aimed at understanding the origins and evolution of human morphology and behavior. For both research areas we have a dual task. First, we need to identify the unique features of humans and reconstruct their evolutionary history. Second, we then need to develop explanations for these novel features based on general biological theories, built up from studies of living and fossil primates and other animals.

Master's Program

The master's program in Biology, specialisation Anthropology, contains lectures and courses in human evolution, evolutionary genetics, morphology and behaviour of primates, modelling, and history of anthropological sciences. These modules can be complemented by a variety of modules of other master specialisations such as Genetics, Plant Sciences, Human Biology, Behavioural Sciences, Systematics and Evolution or Paleontology.

The master's program in Anthropology requires 20 credit points of course work, a Master thesis of 12 months worth 60 credit points (including seminars and colloquia), and a general final exam worth 10 credit points.

Regulations

An individual course program ("Learning Agreement") is discussed and chosen by every student at the beginning of the Master's curriculum with his or her supervisor for the thesis, submitted in writing and agreed upon by the Master's coordinator (Prof. Dr. C. van Schaik).

Master thesis in Anthropology: Module BIO 508.

Teaching

	All modules	Courses	Lectures	Off regular teaching periods	Seminars, Colloquia
Anthropology	BIO 201-220 BIO 551-570	BIO 201-210	BIO 211-219 BIO 369	BIO 220 BIO 379	BIO 551, 552

Ongoing research projects: <http://www.forschungsportal.ch/unizh/u99.htm>

Guidance sheets: <http://www.biologie.uzh.ch/Download.html>

-> Wegleitung (in German)

-> Guidance abstract (short version in English)

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Teaching (HS = autumn term, FS = spring term)

Please note that many modules will be taught in English if requested.

Course blocks (3.5 or 7 weeks full time, except Mondays and Tuesday mornings)

HS BIO 203 Paleoanthropology (6 KP)	Peter Schmid
HS BIO 205 Evolutionary Genetics of Primates (6 KP)	Michael Krützen
HS BIO 208 Morphometric Analysis (6 KP)	Christoph Zollikofer, Marcia Ponce de León
HS BIO 210 Primate Behavior (12 KP)	Carel van Schaik, Judith Burkart
FS BIO 202 Evolutionäre und funktionelle Morphologie der Primaten	Martin Häusler, Marcia Ponce de León
FS BIO 204 Vergleichende Anatomie der Primaten (6 KP)	Peter Schmid
FS BIO 209 Comparative Analyses in Evolutionary Biology (6 KP)	Karin Isler

Lectures (Mondays)

HS BIO 207 Evolutionary Developmental Biology of Primates (Mo 15-17; 2 KP)	Christoph Zollikofer, Marcia Ponce de León
HS BIO 213 Geschlecht und Biologie (Mo 8-10; 2 KP)	Tony Weingrill
HS BIO 214 Von Affenmenschen und Menschenaffen (Mo 10-12; 2 KP)	Hans Konrad Schmutz
HS BIO 215 The Evolution of Human Nature (Mo 13-15; 2 KP)	Carel van Schaik
HS BIO 369 Planung u. statistische Auswertung biologischer Experimente (Mo 13-17 + Projektarbeit; 3 KP)	Wolf Blanckenhorn, Barbara Hellriegel, Lorenz Gyax
FS BIO 216 Kognitive Evolution der Primaten (Mo 8-10; 2 KP)	Judith Burkart
FS BIO 217 Advanced Topics in Biological Anthropology (Mo 15-17; 2 KP)	Carel van Schaik, Christoph Zollikofer
FS BIO 218 Ethische Aspekte der biologischen Forschung am Menschen (Mo 13-15; 2 KP)	Hans Konrad Schmutz
FS BIO 219 Biomedical Imaging and Scientific Visualization (Mo 10-12; 2 KP)	Christoph Zollikofer, Marcia Ponce de León

Modules off the regular teaching periods

BIO 220 Anthropological Excursion (1 KP per week)	Carel van Schaik u.a. Dozierende
BIO 379 Einführung i. d. evolutions- u. populationsbiolog. Modellierung (1 week, usually week No. 36; 2 KP)	Barbara Hellriegel

Colloquia (mandatory for master students)

BIO 551 Anthropologisches Kolloquium (Mo 17:15-19:00)	Tony Weingrill, Karin Isler
BIO 552 Seminar über laufende Arbeiten (Th 12:15-13:00)	Carel van Schaik
BIO 553 Journal Club in Anthropology (Fr 12:15-13:15)	Carel van Schaik

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Research groups/Supervisors of master's theses

(see <http://www.biologie.uzh.ch/Forschungsgruppen/anthropologie.html>)

Prof. Dr. Christoph Zollikofer (zolli@aim.uzh.ch) and **Dr. Marcia Ponce de Leon** (marcia@aim.uzh.ch): Computer-assisted palaeoanthropology, morphology

Dr. Peter Schmid (smidi@aim.uzh.ch): functional morphology, palaeoanthropology

Prof. Dr. Barbara Hellriegel (barhell@aim.uzh.ch): Modelling

Prof. Dr. Hans-Konrad Schmutz (hanskonrad.schmutz@win.ch): History of Anthropology

Group Prof. Dr. Carel van Schaik:

- **Prof. Dr. Carel van Schaik** (vschaik@aim.uzh.ch): Behaviour, ecology, culture, and cognition of primates
- **Dr. Maria van Noordwijk** (vnoord@aim.uzh.ch): Behaviour, ecology, and culture of orangutans
- **Dr. Judith Burkart** (judith.burkart@aim.uzh.ch): Cognition and evolutionary psychology of primates
- **Dr. Michael Krützen** (michael.kruetzen@aim.uzh.ch): Evolutionary genetics
- **Dr. Tony Weingrill** (tonyw@aim.uzh.ch): Endocrinology and behaviour
- **Dr. Karin Isler** (kisler@aim.uzh.ch): Comparative studies, brain size evolution

Master's studies

1- Admission requirements:

- Bachelor in Biology UZH or equivalent (admissions office of the university of Zurich <http://www.uzh.ch/studies/application/master/apply.html>)
- Lectures and courses or equivalent knowledge in anthropology/primateology (if possible already during the Bachelor's degree study)
- English & Statistics

2- Study for a Master's degree in Anthropology:

Directly contact your (intended) supervisor and send him/her an application letter containing your CV, and copy of your Bachelor degree (please note supervisors are not obliged to accept you as their student)

- Discuss your project with your supervisor
- Register as a master's student at the institute's administrative office (Frau C. Zebib)
- Sign a „Learning Agreement“, approved by the Master's coordinator (Prof. C. van Schaik), submit to the university's student's office
- Plan your project and do some pilot work

- Official start of your master's thesis project

- Active participation in colloquia and journal club of the Anthropological Institute (mandatory)
- Do a course in statistics (e.g. Bio369)
- Active participation in the seminar „Advanced Topics“ (spring term, Bio217)

- Before the start of your thesis work write a literature review, including the hypotheses you will test: this review will be graded and is part of the final grade

- Present your planned project in the Thursday's colloquium, grade is part of the final grade

- Perform the research project, practical work, analyses and writing thesis

- Hand in your thesis (at the student's office) max. one year after the official start

- Presentation before the final exam, grade is part of the final grade

- Exam max. 2 months after handing in the thesis („Themenübergreifende Fachkompetenz“ BIO 520): 3 h written exam, 30-60 min. oral exam

Informations for students who got their bachelor from another university

- Please inform yourself on our institute and our research topics (www.aim.uzh.ch). Read the most recent guidance sheet about studying biology at the university of Zurich (<http://www.biologie.uzh.ch/wegleitung.html>). The Master's study in anthropology is part of the biology studies.
- Apply for admission to do a master's in biology at the university of Zurich (<http://www.uzh.ch/studies/application/master/apply.html>). The online application costs CHF 50.- and should be done as early as possible, as it may take some months to be processed.
- After you have been admitted, AND after you paid your student's fees, you get your student's ID and a Uni-Access number with password. You need these numbers to register for courses (see below). It is very important that you have these numbers at least two months before you start your study (i.e. beginning of august if you plan to be here in september).
- According to the regulations, you choose the courses and lectures together with the supervisor of your Master's thesis project (the „Learning Agreement“). However, to choose a supervisor and be accepted by him or her, you should have completed successfully at least one lecture or course with him or her. Thus, we advise students from abroad to start with a variety of courses and lectures during their first term here, and already attend colloquia and the journal club to get oriented. Please note that this might prolong the total duration of your Master's study, depending on your previous knowledge and your choice of project.
- Courses take 3.5 or 7 weeks full time, from Tuesday noon to Friday afternoon. You can book some additional lectures on Mondays and Tuesday mornings.
Important: You need to register for the courses in advance (august for the autumn term 2010), online (<http://www.biologie.uzh.ch/Einschreibung.html>). As a master's student, you get priority of access if the course is full, but only if you registered on time! If you miss the registration dates, your master's study may take one year longer!
- If you would like to do a project involving living primates, you are strongly advised to take course Bio210 (autumn term). Please be aware that projects involving field work, especially abroad, may take more preparation time before the actual start of the research due to visa and other official procedures.
- For any questions, or as soon as you got your admission, please report to the student's advisor of our institute, Karin Isler (kisler@aim.uzh.ch).

Additional requirements for a master's thesis in Anthropology:

- 1) Before starting the practical work, you need to prepare an overview over the current state of the literature and methods of your topic, and formulate your working hypotheses. This is done in the form of a written report. This will be a part of the final grade of your master's thesis.
- 2) You will be required to present your project twice: once at the beginning (after 1), and once around the time handing it in, but before the final exam. Again, grades will be a part of the final grade of your master's thesis.
- 3) Active participation in the journal club (at least one presentation for master's students) and in the colloquia is mandatory.
- 4) At the end of your project, you are obliged to deposit your correct raw data with your supervisor, both neatly arranged and easy to understand.