

# Datenkontrollblatt zur Veranstaltung Evolution and Biodiversity of Lower Vertebrates (OEP Free 1D)

## Veranstaltungsgrunddaten

<b>Veranstaltungsnr.</b>	63260244	<b>Veranst. SWS</b>	8.0
<b>Veranstaltung</b>	Evolution and Biodiversity of Lower Vertebrates (OEP Free 1D)	<b>Semester</b>	WiSe 2017/18
<b>Kurztext</b>		<b>Erwart. Teil.</b>	
<b>Veranst.-Art</b>	Vorlesung/Übung/Seminar	<b>Max. Teil.</b>	
<b>Belegpflicht</b>	N	<b>Hyperlink</b>	
<b>Studienjahr</b>			

## Veranstaltungstermine, Räume und Personal

-	09:00 - 17:00	täglich	19.02.2018 - 16.03.2018	4. Zeitgruppe	ZFMK / Kursraum Clas-Naumann-Bau
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## Personen

Fabian Herder  
Dennis Rödder

## Studiengänge

## Einordnung Vorlesungsverzeichnis

Master Organismic Biology, Evolutionary Biology and Palaeobiology (OEP-Biologie)

## Zuordnung zu Prüfungen

## Einrichtungen

Zoologisches Forschungsmuseum Alexander Koenig (ZFMK)

## Hyperlinks

## Kommentar

The participants will gain insight into evolution and diversity of lower vertebrates (fishes, amphibians and reptiles). Morphological adaptation and geographical distribution are discussed in context of ecological and biogeographical concepts. Lectures and seminars will provide a general overview on patterns and processes related to lower vertebrate diversity, but will also allow deeper insight into some relevant key groups.

More than two-thirds of the vertebrate species known are fishes, amphibians or reptiles. Lectures and seminars of this module will provide an overview on patterns of diversity, systematics and evolution of these "lower vertebrates". Comparative anatomical studies will be performed in the practical part to explore morphological traits relevant in context of adaptation or systematics. Methods taught comprise those relevant for collection-based research, key "tools" relevant for evolutionary and systematic studies, and applied aspects relevant to zoos.

## Literatur

Recommended Reading will be announced before start of course

## Bemerkung

Introductory lecture, seminar, practicals

Ökum: yes

4. Zeitgruppe

4-wöchiger Kurs

Veranstaltungsort: Course room of Clas Naumann building of ZFMK and Cologne Zoo AG

Vorbesprechung: will be announced

Lehrpersonen: F. Herder, D. Rödder, Andreas Schmitz, Thomas Ziegler

## Voraussetzung

Knowledge in biodiversity, systematics and evolutionary biology of the focus group; conservation and collection based methods (museum, zoo). Practice in critically reading and discussing current scientific literature.

## Nachweis

Oral presentation (Power Point), extensive protocol, group presentations, active participation in the discussions (all graded, proportionally)