

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP

Bioinformatics

Jean-Claude Walser

jean-claude.walser [at] usys.ethz.ch



The Genetic Diversity Centre (**GDC**) is a knowledge and technology platform of the D-USYS Department at ETH Zurich. We provide scientific and technical support for research related to genetic and genomic diversity in a wide range of organisms with special focus on non-model organism.



"I cannot teach anybody anything, I can only make them think."
—Socrates

"Science is a way of thinking much more than it is a body of knowledge."
—Carl Sagan

Power-Disa-Point-Ability



PDPA is unfortunately not rare but widespread. Please help to elevate the pain.

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP

Kurse am Zoologischen Institut / Courses at the Zoological Institute

Herbstsemester 2024

Akademisches Semester: 01.08.2024 – 31.01.2025

Vorlesungen: 16.09.2024 – 20.12.2024

vorlesungsfrei

Weihnachten: 23.12.2024 – 03.01.2025

Nr.	Titel; Kreditpunkte	Zeit und Ort	Dozierende
10316-01	+Hauptvorlesung: Bau und Vielfalt der Tiere 2 KP	Montag, 08.15-10.00 Biozentrum, Maurice E. Müller Saal U1.111 wöchentlich	Patrick Tschopp
10565-01	+Vorlesung: Biologie der Vögel 2 KP	Dienstag, 18.15-20.00 Vesalianum, Kleiner Hörsaal (O1.13) wöchentlich	Valentin Amrhein, David Alexander Marques, Baptiste Schmid
25600-01	Vorlesung mit Übungen: Evolutionary Genetics 4 KP	wöchentlich Dienstag, 14.15-17.00 Vesalianum, Kleiner Hörsaal (O1.13) Donnerstag, 14.15- 17.00 Vesalianum, Kleiner Hörsaal (O1.13)	Julia Barth, Walter Salzburger, Jean-Claude Walser
17008-01	+Vorlesung: Advanced-level Evolutionary Biology 2 KP	Mittwoch, 14.15-16.00, Vesalianum, Kleiner Hörsaal (O1.13) wöchentlich	Lukas Schärer
41100-01	+Vorlesung: Speciation - the Making of Biodiversity 1 KP	wöchentlich Tuesdays	



<https://www.gdc-docs.ethz.ch/UniBS/EvolutionaryGenetics/site/>

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP

W39

W40

W41

W42

W43

W44

W45

W46

W47

W48

W49

W50

W51

Evolutionary Genetics - **Module #1: Bioinformatics** (25600-01)

Jean-Claude Walser

Speciation - The making of biodiversity (41100-01)

Daniel Berner



Evolutionary Genetics - **Module #2: Population Genetics** (25600-01)

Jean-Claude Walser

Evolutionary Genetics - **Module #3: Molecular Evolution** (25600-01)

Julia Barth and Walter Salzburger

Evolutionary Genetics - **Final Exam** (25600-01)

PS: Don't forget, there is a three-week break (W42-W44).

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP



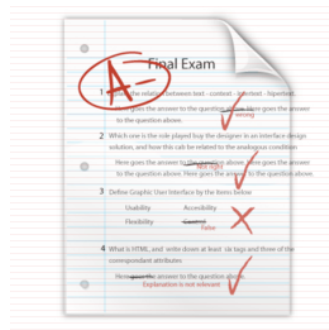
jean-claude.walser[]usys.ethz.ch

Please use the following subject: **EvoGen24: Question**

>>> Please do not use the Uni-Basel e-mail address if you wish to receive a reply. <<<

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP



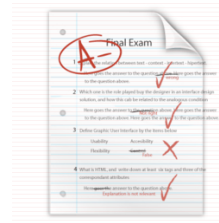
Final examination

To pass this course and earn the credit points, participation in all modules is required, and the final grade must be 4 or higher. The final grade will be based on two components: assessments throughout the course (1/3) and a written exam at the end (2/3).


- Date: **Tuesday, 17.12.2023** (WK51)
- Time: **14:15 - 15:45**
- Location: **Vesalianum** (small lecture hall)
- Style: **open book** (textbooks and scripts allowed)

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP



	term mark	exam mark	
Bioinformatics	$\frac{1}{3}$	$\frac{2}{3}$	> module mark
Population Genetics	$\frac{1}{3}$	$\frac{2}{3}$	> module mark
Molecular Evolution	$\frac{1}{3}$	$\frac{2}{3}$	> module mark


$$\frac{\sum \text{module marks}}{\text{number of modules}} = \text{final grad}$$

Evolutionary Genetics

LV 25600-01 | Lecture with exercises | 4KP

⇒ R-Script: Rolling Dices

⇒ Requirements