

Mandatory courses (A)**Number of courses: 13 credits: 41**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
VURH/AAJDF	English Language		5	0+0+0	Zk	
VURH/APEC1	Pedagogical Activities 1		2	0+0+30S	Zp	
VURH/APEC2	Pedagogical Activities 2		2	0+0+30S	Zp	
VURH/APEC3	Pedagogical Activities 3		2	0+0+30S	Zp	
VURH/APIA1	Publication 1 - first author		10	0+0+0	Zp	
VURH/APIA2	Publication 2 - first author		10	0+0+0	Zp	
VURH/AZSD1	Foreign Internship 1		2	0+0+30D	Zp	
VURH/AZSD2	Foreign Internship 2		2	0+0+30D	Zp	
VURH/AZSD3	Foreign Internship 3		2	0+0+30D	Zp	
VURH/ASED1	Ph.D. Seminar 1		1	0+0+0	Zp	ZS
VURH/ASED2	Ph.D. Seminar 2		1	0+0+0	Zp	ZS
VURH/ASED3	Ph.D. Seminar 3		1	0+0+0	Zp	ZS
VURH/ASED4	Ph.D. Seminar 4		1	0+0+0	Zp	ZS

Compulsory optional - courses (B)**Selection min.: 0 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
UA/AIMD	Immunology in Aquaculture		5	20S+20S+0	Zp,Zk	
VURH/EAOD	Ethology of Aquatic Organisms		5	28S+28D+0	Zp,Zk	
UA/ESRW	Ecology of Still and Running Waters		5	24S+8S+0	Zk	ZS
VURH/AZVKD	Basics of Scientific Communication		5	0+0+40S	Zk	ZS
VURH/CMBD	Applied Cellular and Molecular Biology		5	28S+28S+0	Zp,Zk	ZS
VURH/DESD	Disorders of Endocrine System in Aquatic		5	8S+12S+8S	Zk	ZS
VURH/FPCD	Fish Pathology of Environ. Contaminants		5	28S+28S+0	Zp,Zk	ZS
VURH/TAOD	Toxicology Focused on Aquatic Organisms		5	10S+10S+5S	Zk	ZS
UA/BIOD	Bioinformatics		5	28S+28S+0	Zp,Zk	LS
VURH/CEWD	Cycle of Elements in Aquatic Ecosystems		5	24S+0+0	Zk	LS
VURH/EACD	Environmental Analytical Chemistry		5	20S+30S+8S	Zk	LS
VURH/ECWD	Ecological Status of Water Bodies		5	28S+28S+0	Zp,Zk	LS
VURH/EFCD	Ecology of Freshwater Crustaceans+Clams		5	8S+0+8S	Zk	LS
VURH/EMOD	Environmental Monitoring		5	28S+28S+0	Zp,Zk	LS
VURH/IFED	Biological Invasion in Freshwater Ecosys		5	4S+12S+4S	Zk	LS
VURH/OAPD	Omics Methods and Data Analyses		5	20S+0+8S	Zk	LS
VURH/SFMD	Sustainable Fishery Man. in Open Waters		5	28S+28S+0	Zk	LS

The OAPD and the CEWD courses are opened every even year (beginning of the academic year 2024/25, etc.), the DESD course is opened every odd year (beginning of the academic year 2025/26, etc.)

Od Předmět Přijato Velikost Kategorie (B) Selection min.: 5 cr.

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
MVIS/CZFFA	Czech Language for Foreigners A		5	0+2+0	Zp,Zk	
MVIS/CZFFB	Czech Language for Foreigners B		5	0+2+0	Zp,Zk	

Compulsory optional - Ph.D. practice, Literature review (B)**Selection min.: 170 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
UA/ADPX1	Doctoral Practice 1		20	0+0+40	Zp	

UA/ADPX2	Doctoral Practice 2	20	0+0+40	Zp
UA/ADPX3	Doctoral Practice 3	20	0+0+40	Zp
UA/ADPX4	Doctoral Practice 4	20	0+0+40	Zp
UA/ADPX5	Doctoral Practice 5	20	0+0+40	Zp
UA/ADPX6	Doctoral Practice 6	20	0+0+40	Zp
UA/ADPX7	Doctoral Practice 7	20	0+0+40	Zp
UA/ADPX8	Doctoral Practice 8	20	0+0+40	Zp
UA/ADPX9	Doctoral Practice 9	0	0+0+40	Zp
UA/ADP10	Doctoral Practice 10	0	0+0+40	Zp
UA/ADP11	Doctoral Practice 11	0	0+0+40	Zp
UA/ADP12	Doctoral Practice 12	0	0+0+40	Zp
UA/AVLRE	Elaborating a Literature Review	10	0+0+0	Zp
VURH/ADPX1	Doctoral Practice 1	20	0+0+40	Zp
VURH/ADPX2	Doctoral Practice 2	20	0+0+40	Zp
VURH/ADPX3	Doctoral Practice 3	20	0+0+40	Zp
VURH/ADPX4	Doctoral Practice 4	20	0+0+40	Zp
VURH/ADPX5	Doctoral Practice 5	20	0+0+40	Zp
VURH/ADPX6	Doctoral Practice 6	20	0+0+40	Zp
VURH/ADPX7	Doctoral Practice 7	20	0+0+40	Zp
VURH/ADPX8	Doctoral Practice 8	20	0+0+40	Zp
VURH/ADPX9	Doctoral Practice 9	0	0+0+40	Zp
VURH/ADP10	Doctoral Practice 10	0	0+0+40	Zp
VURH/ADP11	Doctoral Practice 11	0	0+0+40	Zp
VURH/ADP12	Doctoral Practice 12	0	0+0+40	Zp
VURH/AVLRE	Elaborating a Literature Review	10	0+0+0	Zp

Compulsory optional - presentation of results, leading of the thesis (B)

Selection min.: 4 cr.

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
VURH/ALSD1	Summer School 1		2	0+0+0	Zp	
VURH/ALSD2	Summer School 2		2	0+0+0	Zp	
VURH/APDO1	Presentation of results - lecture		5	0+0+0	Zp	
VURH/APDP1	Presentation of results - poster		2	0+0+0	Zp	
VURH/AVZPK	Consulting of the Final Thesis		2	0+0+0	Zp	
VURH/AVZPV	Leading of the Final Thesis		5	0+0+0	Zp	

Optional courses (C)

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
VURH/ADOD1	Professional Practice 1		1	0+0+5D	Zp	
VURH/ADOD2	Professional Practice 2		1	0+0+5D	Zp	
VURH/ADOD3	Professional Practice 3		1	0+0+5D	Zp	
VURH/ADOD4	Professional Practice 4		1	0+0+5D	Zp	
VURH/AGAJ1	GAJU project 1		8	0+0+0	Zp	
VURH/AGAJ2	GAJU project 2		8	0+0+0	Zp	
VURH/APIA3	Publication 3 - first author		10	0+0+0	Zp	
VURH/APIA4	Publication 4 - first author		10	0+0+0	Zp	
VURH/APIS1	Publication 1 - other		4	0+0+0	Zp	
VURH/APIS2	Publication 2 - other		4	0+0+0	Zp	
VURH/APIS3	Publication 3 - other		4	0+0+0	Zp	
VURH/APIS4	Publication 4 - other		4	0+0+0	Zp	