Podklady pro sledování průběhu doktorského studia v novém DSP Geologie

Tabulka 1 - SZŘ MU - Článek 30 "Průběh studia a řádné plnění podmínek studia" - (4) Individuální studijní plán vymezuje zejména:

	Forma sledování plnění na PřF MU
a) přípravu disertační práce podle čl. 8 odst. 4,	Student zapisuje předměty GD511-GD581 v každém semestru. Počty kreditů: 15-29 ETCS dle semestru (<i>viz Studijní katalog Geologie</i>)
b) povinné předměty, mezi něž patří	Student zapisuje odborné přednášky, kurzy, semináře atd. podle potřeb ISP a podle požadavků
 předměty rozšiřující a prohlubující znalosti širšího vědního oboru nad rámec studia v magisterském programu, 	programu. Standardní kreditování podle záznamů v IS MUNI.
2. předměty prohlubující specializované znalosti,	
3. specializované odborné semináře a přednášky,	
c) prokázání odborných a jazykových kompetencí, což se ověřuje	Student prokáže svoje jazykové znalosti jedním ze dvou následujících způsobů: (a) úspěšným ukončením dvou semestrálních předmětů zaměřených na jazykovou výuku, nebo
 ukončením dvou příslušných semestrálních předmětů nebo 	(b) získáním zápočtu za přednesení cizojazyčné přednášky na kvalifikovaném odborném fóru – předmět GD611 a napsáním cizojazyčné publikace pro časopis nebo sborník – předměty GD631 nebo GD621.
 získáním zápočtu za napsání cizojazyčné publikace pro časopis nebo sborník a zápočtu za přednesení cizojazyčné přednášky na kvalifikovaném odborném fóru; zápočty uděluje školitel nebo hodnotitel předem stanovený oborovou radou, 	
 d) podílení se na výuce v bakalářských a magisterských programech, 	Podle požadavků programu (max. 150 hodin zátěže v průběhu celého studia) získávají studenti 6 zápočtů za předmět GV001.
e) přípravu tezí disertační práce, je-li tak stanoveno rozhodnutím oborové rady,	Body e) a f) určuje program, nejsou na fakultě centrálně harmonizovány
f) další specifické požadavky související se zaměřením daného doktorského programu.	
Požadavek Nařízení vlády č. 274/2016 Sb.	Student získá alespoň 1x za studium zápočet za předmět XD110.
(předepisuje zahraniční stáž v délce alespoň jednoho měsíce nebo jinou formu mezinárodní spolupráce)	V případě, že je relevantní jiná forma mezinárodní spolupráce než stáž, uděluje studentovi zápočet za splnění předmětu G0311 předseda oborové rady.

TABLE 2

FORMAL REQUIREMENTS AND ADMINISTRATION OF DOCTORAL STUDIES

Version: Released and applicable since 1st of August 2019 (last update: February 2021)

PhD programme: Geology (Geologie)

Guarantor/Doctoral Board head contact: Doc. Zdeněk Losos, losos@sci.muni.cz

The Doctoral Study Program Geology is divided into the following five specializations, in accord with the topics of student's doctoral research:

- Dynamic geology, tectonics and physics of the Earth
- Stratigraphic geology, paleontology and sedimentology
- Mineralogy, petrology and economic geology
- Geochemistry and hydrogeology
- Applied and environmental geology

Rules for compiling an Individual Study Plan (ISP) are the same for all specializations, both in full-time and combined form of study. The requirements of specialization are defined by the research theme of the dissertation project and by specialized lectures. The combined form of study differs in the ISP in requirements for student presence at the training workplace.

Detailed requirements for the Individual Study Plan (ISP) are described in Table and in detail in "Studijní katalog Geologie" 2020/2021. Here in brief:

Mandatory courses: checked by Dean's Office

GD511-GD581/GD591	Ph.D. thesis / Disertační práce	15 ECTS for semesters 1-4, 20 ECTS for semesters 5-8, 29 ECTS for semesters 9+
	Ph.D. thesis / Disertační práce -	
	pokračování	
GB001	Geological seminar/Geologický	4-times (1 ECTS)
	seminář	
GD101	Seminar DSP/Seminář DSP	obligatory for all 8 semesters of standard study duration (with exception of stay abroad) – 1ECTS
GD611	Presentation at international	minimum once (10 ECTS)
	conference/ Přednáška v cizím	
	jazyku na mezinárodní	
	konferenci	
XD110, G0311	Placement Abroad	minimum one month stay min. once during studies (usually 5 ECTS/month), requirement given by
	/ Zahraniční pracovní pobyt	aw Instructions for recognition of Placement Abroad (the recognition is done via IS application

		Internship and Stays, by creating record of the stay and request for recognition; the course is then registered by Dean's Office): https://www.sci.muni.cz/en/students/go-abroad/recognition-of-stay-abroad After approval of doctoral board the placement abroad can be replaced with another form of international scientific cooperation (G0311)
GV001	Teaching assistance	maximum 150 hours total for all studies - 6-times (5 ECTS) during semesters 1-6.
GD621, GD661	Odborná publikace k disertaci/Publication to	Student fulfills the requirement of publication of the dissertation thesis results in an peer-reviewed international journal with impact factor, in accord with the requirements set by the Program Board
	dissertation thesis	(10 ECTS) during semesters 7-8.

Theoretical courses and all other requirements: checked by the Head of Doctoral Board

The first stage of the study is completed by the State doctoral examination (SDE) in two specialized areas. A broader overview in the field and a good orientation of the student in the specialization is required for the SDE. One of the SDE area is chosen by the student from the areas of his/her specialization in agreement with his/her supervisor, and the second one is chosen at student's own discretion. DSP Geology offers the following specialized subject areas for state doctoral examinations: Environmental Geology, Earth Physics, Geochemistry, Historical and Stratigraphic Geology, Hydrogeology, Engineering Geology, Quaternary Geology, Bearing Geology, Magmatic and Metamorphic Petrology, Mineralogy, Paleontology, Regional Geology, Sedimentology and Sedimentary Petrology, Structural Geology and Geotectonics.

General requirements for all students in the programme (please see detailed requirements for the Individual Study Plan in the detailed table below):

El	ements of the ISP	Milestones and their check						
		Enrolment to studies (Before semester 1)	Each semester	Semester 2-3	Semester 3-4	Semester 5-6	End of Semester 6 (Theoretical State Doctoral Exam, SDE)	End of Semester 8 (Preparation for PhD defence)
(A) research and development activities (ca. 70 % of workload)	1. Research, dissertation project, includes scientific research on the topic of the dissertation thesis (including compilation of the review on the current state of the topic), as well as continuous acquisition of practical experience in methodology during fieldwork, in laboratories, or specialized classrooms.	Define framework topic of your PhD project with your supervisor for enrolment. CHECK: Dean's office [enrolment]	Recorded as GD511-GD581 – (15 ECTS for semesters 1-4, 20 ECTS for semesters 5-8, 29 ECTS for semesters 9+) CHECK: supervisor, Dean's office	Student submits a research review for the topic of his/her dissertati on work. (GD001 - 10 ECTS) CHECK: superviso r, Dean's office			Student proves the fulfillment of SDE admission requirements and applies for the SDE. The conditions are as follows: submission of a dissertation thesis, at least 4x presentations at the DSP seminar, completion of at least 4 semesters of the Geological Seminar, at least 6 semesters of teaching	Student submits a dissertation thesis according to the requirements set by the Doctoral Board and submits an application for its defense. CHECK: Doctoral board, Dean's office

			assistance, demonstration of language skills, lecture in English at an international conference. CHECK: Doctoral board [SDE assessment]	
2. Publications	Student		•	Student fulfills the
Student is obliged to publish	presents			requirement of
the main results from the	a			publication of the
topic of his / her thesis	professio			dissertation thesis
(before the dissertation	nal			results in an peer-
thesis defense): at least as	publicatio			reviewed
one paper in an international	n in the			international journal
professional journal with an	peer-			with impact factor,
IF that is above the median	reviewed			in accord with the
of the discipline, or at least	journal.			requirements set by
in two papers in journals	(GA031 –			the Program Board
with IF under the median of	5 ECTS)			(GD621 - 10 ECTS, or
the field. The PhD student	CHECK:			2x GD661 – 10 ECTS)
must be the first author of	Dean's			CHECK: supervisor,
such publication, or at least	office			Programme board,
the third author and at the				Dean's office
same time the corresponding				
author.				
3. Presentation of results on		Student fulfills		
scientific seminars,		the requirement		
symposia, conferences etc.,		of oral		
including preparation of		presentation of		
talks and/or poster		his/her scientific		
presentations		result in English		
		at an		

	1	T T	T
			international
			conference.
			(GD611 -10
			ECTS)
			CHECK:
			supervisor,
			Dean's office
	4. Theoretical courses,	Each	Dean's office
	preparation to the state	semester	
	doctoral exam – SDE		
	doctoral exam – SDE	according	
		to ISP	
		CHECK:	
		teachers of	
		courses,	
		Dean's	
		office	
(B)	5. Doctoral seminars: the	Each	
Specialized	student reports about the	semester	
courses and	work progress on the	(1-8), once	
theoretical	dissertation thesis at the	a year 9+	
preparation	Doctoral Study Program	CHECK:	
(ca. 20 % of	(DSP) seminar – (GD101, 1	teacher of	
workload)	ECTS)	seminar,	
Workloady		Dean's	
		office	
	Coological cominar	At least 4	
	Geological seminar –		
	(GB001, 1 ECTS)	semesters	
		CHECK:	
		teacher of	
		seminar,	
		Dean's	
		office	
	6. Further improving of	No formal	
	English competences	check	
	(attending courses,	needed	

(C) International experience and com- petitiveness	seminars, conferences, writing publications, all in English). 7. Placement abroad student demonstrates compliance with the requirement of involvement in international scientific cooperation,				Minimum is 1 month foreign stay (XD110) or other international scientific cooperation (G0311) CHECK: Supervisor
	8. Teaching assistance - classrooms, exercises, advising undergrad students and comparable.			at least 6 semesters of teaching assistance (GV001 - 5 ECTS) CHECK: Doctoral board Dean's office	Dean's office
(D) Pedagogical competences	9. Career development - preparation and management of projects, scientific writing, communication, other softskills.	No formal check needed		Dean's office	
(E) Other transferrable skills.					

Specialization: Dynamic geology, tectonics and physics of the Earth	Specialization: Stratigraphic geology, paleontology and sedimentology
GB911 Advanced Tectonic Seminar	GD211 Microscopy for Ph.D. theses
GD261 Advanced tectonics	GD231 Current status and prospects of paleontology
GD311 Current issues in sedimentary geology	GD281 News in regional geology of the Czech Republic
GD211 Microscopy for Ph.D. theses	GD301 New findings in paleoecology
GD281 News in regional geology of the Czech Republic	GD311 Current issues in sedimentary geology
Specialization: Mineralogy, petrology and economic geology	Specialization: Geochemistry and hydrogeology
GB921 Advanced Seminar in Petrology	GB471 Stability and dynamics of natural systems
GD211 Microscopy for Ph.D. theses	GB481 Geochemistry of mineral surfaces
GD221 Current issues of mineralogy	GC351 Geochemistry of water-rock-atmosphere interactions
GD241 New findings in crystallochemistry	GD241 New findings in crystal chemistry
GD251 Advances in economic geology	
GD271 Formation of minerals - current issue	
Specialization: Applied and environmental geology	
GB471 Stability and dynamics of natural systems	
GC351 Geochemistry of water-rock-atmosphere interactions	
GD251 Advances in economic geology	
GD281 News in regional geology of the Czech Republic	