



Learning Contract for Master's Thesis

This study contract defines the requirements for the acquisition of credit points for the master's thesis.

Part I: Agreeme

Before to the start of the master's thesis, two copies of this agreement must be signed by the assessor, the student and the head of the teaching committee (Unterrichtskommission). One copy will be kept by the assessor (or the Academic Office of the degree program (Studiengangsekretariat)), the second one will remain with the student

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Student:		Erdem Koca			
Student ID (I	Matrikelnr.):	2020 062 451			
Degree prog	ram:	Master Computer Science 16/21			
Working title Lasso Re		th Neural Network-Based Nonlinear Corrections			
The goal is classical s	sparse regro The combin	nt: p and implement a Machine Learning model that integrates ession (in the style of the "lasso") and a highly expressive Neural led model should overcome the limitations of the linear lasso ing model interpretability.			
Start date:	20.3.2025	End date: 19.9.2025			

Student:	Erdem Koca					
A	Volker Roth					
Assessor:						
Second assessor 1, 2 :	Shijian Xu					
Biology: if necessary, date of approval by GLV Biozentrum:						
Number of CP: 30						
Signatures: Student:	Assessor:	Second assessor ^{1, 2} :	Head of Teaching Committee:			
	Volle B14	shijian Xu	Malte Helmest			
Basel, 20.03.2025	Basel, 20.03.2025	Basel,	Basel, 26.03.2025			
Part II: Assessment						
☐ Confirmation that the Master's thesis includes the statement on scientific integrity						
☐ Reports for Master's thesis are available						
Grade (half or full grade): (grading scale: 6.0 = excellent, 5.5 = very good, 5.0 = good, 4.5 = satisfactory, 4.0 = sufficient, 3.5 to 1.5 = not sufficient)						
Signature(s) for assessr Assessor:	ment:	Second assess	Second assessor ^{1, 2} :			
Basel,		Basel,				

After the assessment:

Please hand in the completed form, including a copy of the title page of the master's thesis, to: Physics: forward this form to the Office of the Dean of Studies (Studiendekanat) of the Faculty of Science

all others: forward this form to the Academic Office of the degree program (Studiengangsekretariat)

¹ Second assessor mandatory for: Chemistry, Nanosciences, PNA, Physics

² Biology only: Second assessor mandatory if grade 6 or an insufficient grade or "Biozentrum"-external assesors