TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

Faculty of Computer Science
Examination Office

Registration for modules and examinations with Selma

Academic Office in Engineering Sciences

October 2020

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} Information will be provided at a later date

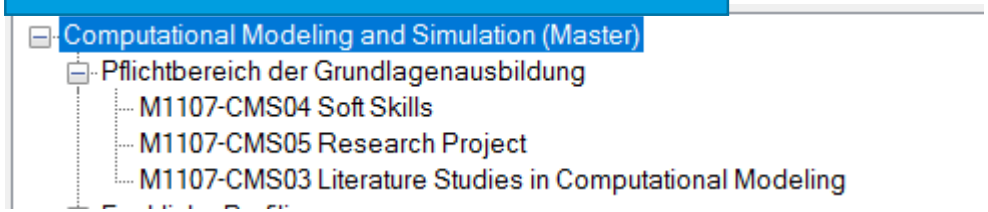
1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No.	Module Name	First semester	Second semester	Third semester (M)	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Compulsory Modules of Basic Education							**25**
CMS-SKL	Soft Skills	2/0/0/0/0/0/2 2GW				5	
CMS-PRO	Research Project			0/0/0/0/12/0/0 2GW		15	
CMS-SEM	Literature Studies in Computational Modeling		0/0/4/0/0/0/0 GW*			5	

PL = GW = Graded

Module number on selma



1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module number on selma

- Wahlpflichtbereich der Grundlagenausbildung
  - M1107-CMS11 Machine Learning and Data Mining
  - M1102-CMS12 Parallel Programming and High-Performance Computing
  - M1107-CMS13 Basic Numerical Methods
  - M1107-CMS14 Stochastics and Probability
  - M1104-CMS15 Data Visualization
  - M1101-CMS117 Foundations of Artificial Intelligence
  - M1101-CMS118 Knowledge Models
  - M1106-CMS119 Database Management
  - M1104-CMS120 Scientific Software Engineering

Elective **Compulsory Modules** of the Basic Education (3 of 10, for the track "Computational Life Science" 3 of 9)							
CMS-COR-MLD	Machine Learning and Data Mining	2/2/0/0/0/0/0 GW					
CMS-COR-HPC	Parallel Programming and High-Performance Computing	2/2/0/0/0/0/0 GW					
CMS-COR-NUM	Basic Numerical Methods	2/2/0/0/0/0/0 GW					
CMS-COR-SAP	Stochastics and Probability	2/1/0/1/0/0/0 GW				5	
CMS-COR-VIZ	Data Visualization	2/2/0/0/0/0/0 GW				5	
CMS-COR-SED	Statistical Principles and Experimental Design (not selectable for the Track CLS)	2/2/0/0/0/0/0 GW				5	

PL = GW = Graded

Study and exam regulations under:
https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/regulations

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Computational Life Science							**50**
CMS-CLS-IBC	Introduction to Biochemistry	2/0/0/0/0/2/0 GW				5	
CMS-COR-SED	Statistical Principles and Experimental Design	2/2/0/0/0/0/0 GW				5	
CMS-CLS-ELG	Computational Life Science Basic		4 HPW* GW*	4 HPW* GW*	→Course Catalogues		
CMS-CLS-ABI	Applied Bioinformatics		2/2/0/0/0/0/0 GW			5	
CMS-CLS-MOS	Modeling and Simulation in Biology		2/2/0/0/0/0/0 GW			5	
CMS-COR-TEA	Computational Life Science Teamproject		0/0/0/0/8/0/0 2GW			10	
CMS-CLS-ELV	Computational Life Science Advanced			8 HPW* GW*	→Course Catalogues		

Module number on selma

PL = GW = Graded

- Computational Life Science
  - M1100-CMS221 Introduction to Biochemistry
  - M1100-CMS116 Statistical Principles and Experimental Design
  - M1107-CMS21 Computational Life Science Basics
  - M1100-CMS23 Applied Bioinformatics
  - M1107-CMS26 Modeling and Simulation in Biology
  - M1107-CMS251 Computational Life Science Teamproject
  - M1107-CMS24 Computational Life Science Advanced

Forms for requests to the Examination Board under:
https://tu-dresden.de/ing/informatik/studium/examination-office/formulare

Example for a course catalogue:

	CMS-CLS-ELG Computational Life Science Basics			Modulverantwortlicher Dozent:			Prof. Dr. Ivo F. Sbalzarini			M1107-CMS21	
	Katalogmodul (Soll: 8 SWS)										
	Eine Lehrveranstaltung des Katalogs CMS-CLS-ELG kann nicht gewählt werden, wenn diese bereits in einem anderen Pflichtmodul mit wahlpflichtigem Inhalt bzw. in einem Wahlpflichtmodul der Grundlagenausbildung im Masterstudiengang Computational Modeling and Simulation gewählt wurde.										
	Please note that any course of the catalogue CMS-CLS-ELG cannot be selected if it has been already selected for another CMS-module.										
	Die Modulnote ergibt sich aus dem nach Semesterwochenstunden (SWS) gewichteten Durchschnitt der Noten der Prüfungsleistungen. The module grade is the average of the grades of the individual examinations, weighted by course effort (SWS, semester-week-hours).										
Nr.	**LV-Name/course title**	**Fakultät/ faculty**	**Dozent/lecturer**	**SWS effort**	**Sprache/ Language**	**Semester**	**Prüfer/examiner**	**Prüfungart examination performance**	**Duration**	**Wichtung nach SWS/ Weighting**	**Kursnummer selma**	**Bemerkungen**
1	Biophysical Chemistry	CMCB	Elisabeth Fischer-Friedrich	2V	englisch	Winter	Fischer-Friedrich	Klausurarbeit	90 min	2	K1112-5NB11aV	
2	Biophysical Methods	CMCB	Michael Schlierf	2V/2S	englisch	Winter	Schlierf	Referat	?	4	K1112-5NB23	
3	Dynamics of Protein Networks	CMCB	Simon Alberti	2V	englisch	Sommer	Simon Alberti	Referat	30 min	2	K1112-5MB22V	
4	Genome Engineering	CMCB	Francis Stewart Michael Hiller	2V	englisch	Sommer	Stewart	Referat	30 min	2	K1112-5NBE2bV	
5	Introduction to Proteomics	CMCB	Simon Alberti	3V	englisch	Winter	Simon Alberti	Klausurarbeit/mündl. Prüfung <= 15 Teilnehmer		3	K1112-5MB23V	
6	Principles of Biophysics	CMCB	Michael Schlierf	2V/2Ü	englisch	Winter	Schlierf	Klausurarbeit	90 min	4	K1112-5MB15b	
7	Theoretical Biophysics	CMCB	Stephan Grill Frank Jülicher	2V/1Ü	englisch	Sommer	Grill	mündl. PL	20 min	3	K1112-5NB24	
8	Advanced User Interfaces	INF	Raimund Dachselt Anke Lehmann	2V/2Ü	deutsch/englisch	Sommer	Raimund Dachselt Anke Lehmann	Klausurarbeit	90 min	4	K1104-MA0001	
9	Basic Numerical Methods	INF	Ivo Sbalzarini	2V/2Ü	englisch	Winter	Sbalzarini	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1107-MA0017	
10	Computer Vision 1	INF	Björn Andres	2V/2Ü	englisch	Winter	Björn Andres	mündl. PL	30 min	4	K1107-MA0009	
11	Computer Vision 2	INF	Björn Andres	2V/2Ü	englisch	Sommer	Björn Andres	mündl. PL	30 min	4	K1107-MA0016	
12	Computergraphik 1	INF	Stefan Gumhold	2V/2Ü	deutsch/englisch	Winter	Gumhold	Klausurarbeit 90 min/mündl. PL 20 min <=15 Tn		4	K1104-MA0025	
13	Computergraphik 2	INF	Stefan Gumhold	2V/2Ü	englisch	Sommer	Gumhold	Klausurarbeit 90 min/mündl. PL 20 min <=15 Tn		4	K1104-MA0005	
14	Transactional Information Systems	INF	Wolfgang Lehner Dirk Habich	2V/2Ü	englisch	Winter	Wolfgang Lehner Dirk Habich	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1106-MA0020	
15	Data Visualization	INF	Raimund Dachselt Stefan Gumhold	2V/2Ü	deutsch/englisch	Winter	DachseltGumhold	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1104-CMS03	
16	Design Patterns and Frameworks	INF	Uwe Aßmann Sebastian Götz	2V/2Ü	englisch	Winter	Uwe Aßmann Sebastian Götz	Klausurarbeit 90 min/mündl. PL 15 min < 20 Tn		4	K1104-MA0020	
17	Digitization and Data Analytics: Architectures, Methods and Consequences	INF	Wolfgang Nagel Sunna Torge	2V/2Ü	englisch	Sommer	Wolfgang Nagel	Klausurarbeit	90 min	4	K1102-ZIH03	NEU ab 1.4.2021
18	Machine Learning 1	INF	Björn Andres	2V/2Ü	englisch	Winter	Björn Andres	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1107-MA0060	
19	Machine Learning 2	INF	Björn Andres	2V/2Ü	englisch	Sommer	Björn Andres	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1107-MA0062	
20	Particle Methods	INF	Ivo Sbalzarini	2V/2Ü	englisch	Sommer	Sbalzarini	Klausurarbeit 90 min/mündl. PL 30 min <= 10 Tn		4	K1107-MA0006	
21	Scientific Visualization	INF	Stefan Gumhold	2V/2Ü	englisch	Sommer	Gumhold	Klausurarbeit 90 min/mündl. PL 20 min <=15 Tn		4	K1104-MA0032	
22	Stochastic Modeling and Simulation	INF	Ivo Sbalzarini Christoph Zechner	2V/2Ü	englisch	Winter	Sbalzarini	Klausurarbeit 90 min/mündl. PL 30 min < 10 Tn		4	K1107-MA0002	

Important !!!

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Computational Mathematics							**50**
CMS-CMA-ELG	Computational Mathematics Basics	4 HPW* GW*	4 HPW* GW*	→Course Catalogues		10	
CMS-CMA-FEM	Finite Element Methods	3/1/0/0/0/0/0 PEW GW				5	
CMS-CMA-MODSEM	Modeling Case Studies		0/0/4/0/4/0/0 GW			10	
CMS-CMA-PROJ	Computational Mathematics Project			0/0/2/0/2/0/0 GW		5	
CMS-CMA-ELV1	Computational Mathematics Advanced		4 HPW* GW*	4 HPW* GW*	→Course Catalogues		
CMS-CMA-ELV2	Computational Mathematics Applications		4 HPW* GW*	4 HPW* GW*	→Course Catalogues		

Module number on selma

- Computational Mathematics
  - M1100-CMS31 Computational Mathematics Basics
  - M1100-CMS32 Finite Element Methods
  - M1100-CMS331 Modeling Case Studies
  - M1100-CMS341 Computational Mathematics Project
  - M1100-CMS35 Computational Mathematics Advanced
  - M1100-CMS36 Computational Mathematics Applications

PL = GW = Graded

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Visual Computing							**50**
CMS-VC-ELG	Visual Computing Basics	8 HPW* GW*	→Course Catalogues			10	
CMS-VC-ELV1	Visual Computing Advanced		6 HPW* GW*	6 HPW* GW*	→Course Catalogues		
CMS-VC-ELV2	Visual Computing Applications		1/1/0/0/0/0/0 GW + 4 HPW* GW*	1/1/0/0/0/0/0 GW + 4 HPW* GW	→Course Catalogues	15	
CMS-VC-TEA	Visual Computing Teamproject		0/0/0/0/8/0/0 2GW			10	

PL = GW = Graded

Module number on selma

- Visual Computing
  - M1104-CMS41 Visual Computing Basics
  - M1104-CMS42 Visual Computing Advanced
  - M1104-CMS43 Visual Computing Applications
  - M1104-CMS441 Visual Computing Teamproject

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Computational Modelling in Energy Economics							**50**
CMS-EE-EPM	Electric Power Markets	2/2/0/0/0/0/0 GW				5	
CMS-EE-EL1	Computational Modelling in Energy Economics Basics	4 HPW* GW*	4 HPW* GW*			10	
CMS-EE-SCEE	Case Studies in Energy Economics		0/0/2/0/0/0/0 2GW			10	
CMS-EE-LSEE	Literature Studies in Energy Economics		0/0/2/0/0/0/0 2GW			5	
CMS-EE-REEP	Resource Economics and Environmental Policy			2/2/0/0/2/0/0 2 2GW		10	
CMS-EE-EL2	Computational Modelling in Energy Economics Advanced		4 HPW* GW*	4 HPW* GW*	→Course Catalogues		

Module number on selma

PL = GW = Graded

- Computational Modeling in Energy Economics
  - M1100-CMS50 Electric Power Markets
  - M1100-CMS51 Computational Modelling in Energy Economics Basics
  - M1100-CMS53 Case Studies in Energy Economics
  - M1100-CMS54 Literature Studies in Energy Economics
  - M1100-CMS55 Resource Economics and Environmental Policy
  - M1100-CMS52 Computational Modelling in Energy Economics Advanced

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Computational Engineering							**50**
CMS-CMA-FEM	Engineering Finite Element Methods	3/1/0/0/0/0/0 PEW GW				5	
CMS-CE-EL1	Computational Engineering Basics		4 HPW* GW*	4 HPW* GW*		10	
CMS-CE-AT	Advanced Topics in Finite Element Analysis Multifield Methods		2/2/0/0/0/0/0 GW			5	
CMS-CE-MBD	Multibody Dynamics		2/2/0/0/0/0/0 GW			5	
CMS-CE-MP	Multifield Problems		2/2/0/0/0/0/0 GW			5	
CMS-CE-CFD	Computational Fluid Dynamics	2/2/0/0/0/0/0 GW				5	
CMS-CE-EL2	Computational Engineering Advanced		6 HPW* GW*	6 HPW* GW*		15	

Module number on selma

PL = GW = Graded

- Computational Engineering
  - M1100-CMS60 Engineering Finite Element Methods
  - M1100-CMS61 Computational Engineering Basics
  - M1100-CMS631 Advanced Topics in Finite Element Analysis
  - M1100-CMS64 Multibody Dynamics
  - M1100-CMS65 Multifield Problems
  - M1100-CMS66 Computational Fluid Dynamics
  - M1100-CMS62 Computational Engineering Advanced

1. Study plan, module numbers on selma, links to course catalogues

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1

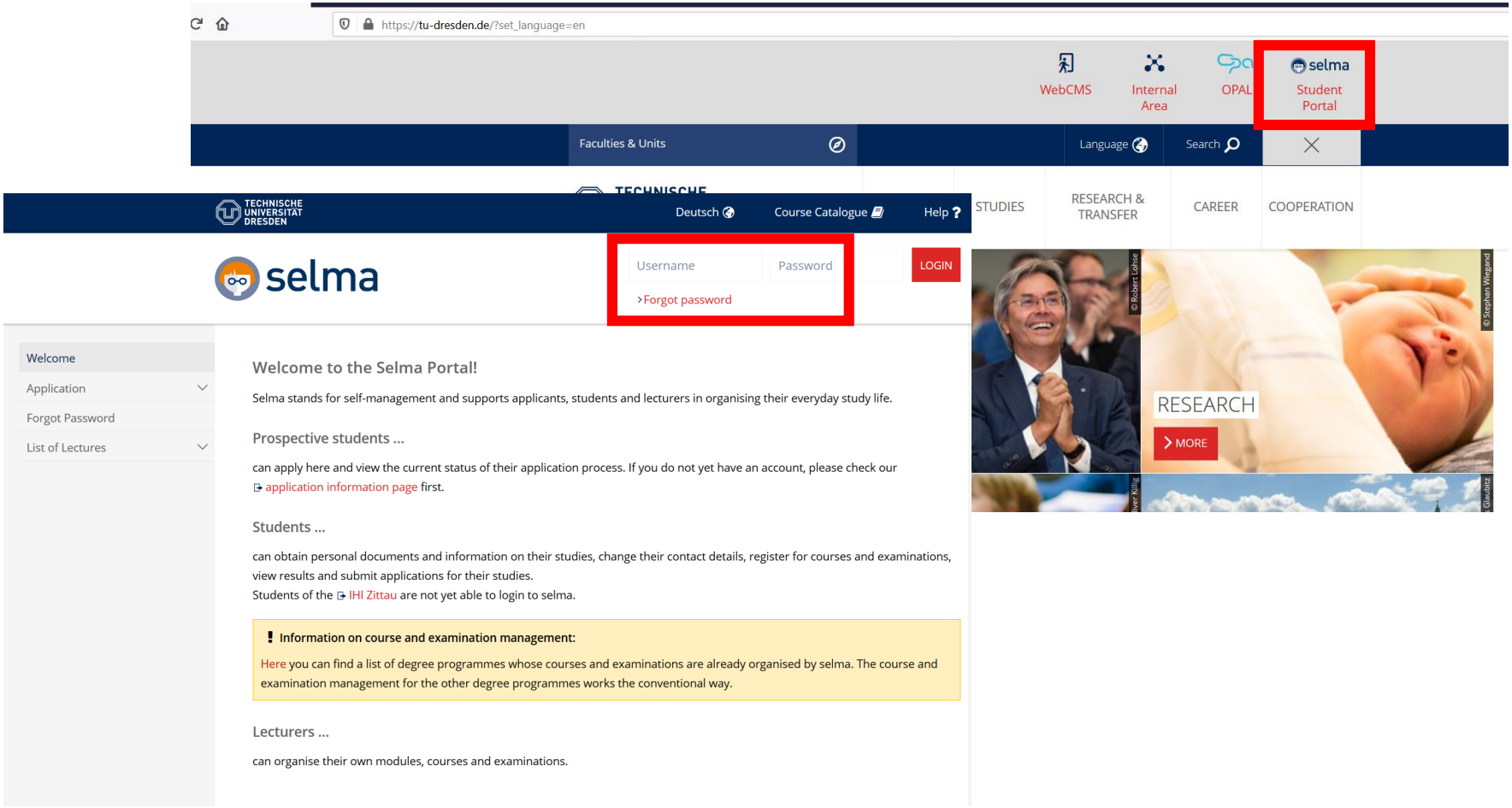
Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Logical Modeling							**50**
CMS-LM-BAS	Foundations of Logical Modelling	8 HPW* GW*				10	
CMS-LM-MOC	Models of Computation		6 HPW* GW*	6 HPW* GW*		15	
CMS-LM-AI	Artificial Intelligence		6 HPW* GW*	6 HPW* GW*		15	
	Choice one module from 2:						
CMS-LM-ADV	Advanced Logical Modelling		8 HPW* GW*			10	
CMS-LM-TEA	Logical Modelling Teamproject		0/0/0/0/8/0/0 2GW			10	

PL = GW = Graded

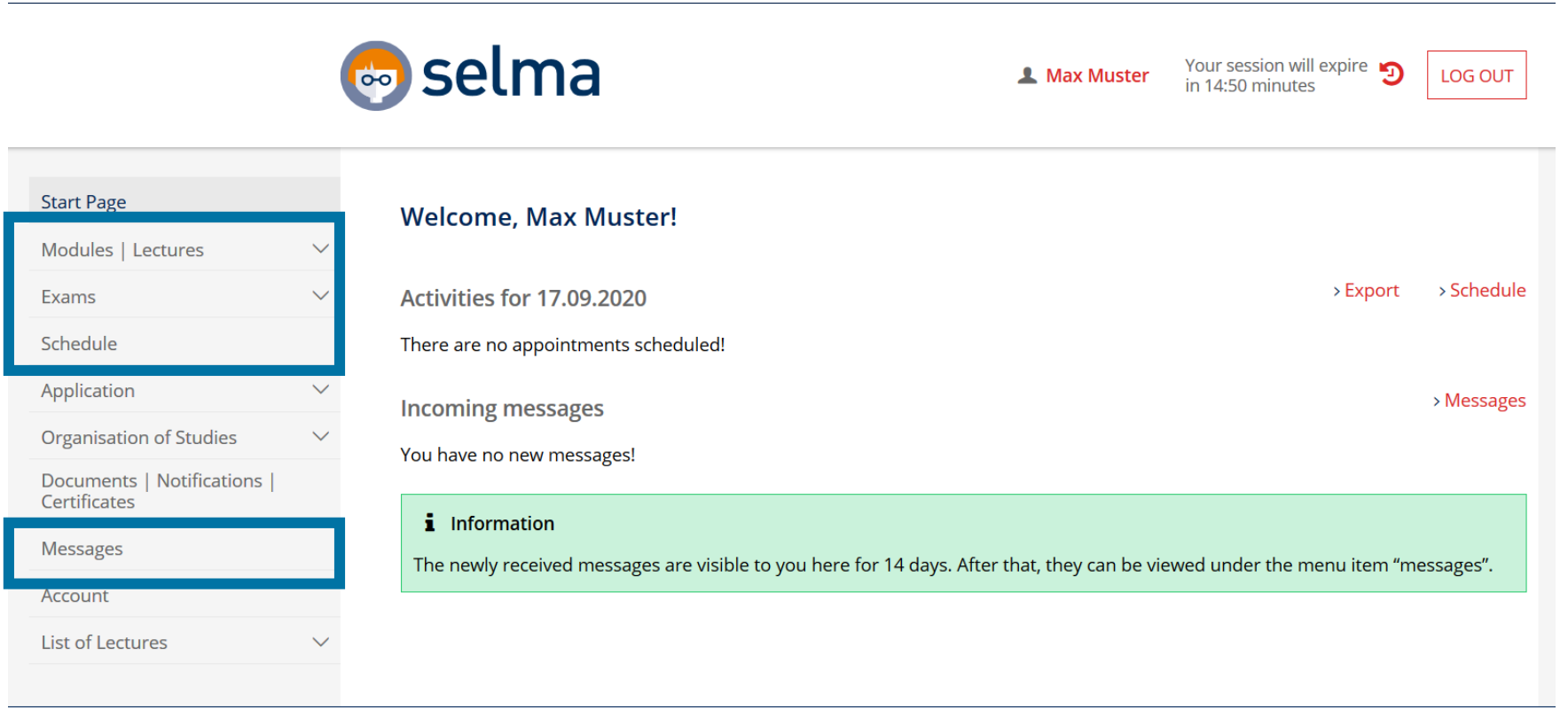
Module number on selma

- Logical Modeling
  - M1101-CMS70 Foundations of Logical Modelling
  - M1101-CMS72 Models of Computation
  - M1101-CMS73 Artificial Intelligence
  - Wahl eines Moduls aus 2
    - M1101-CMS74 Advanced Logical Modeling
    - M1101-CMS75 Logical Modeling Teamproject

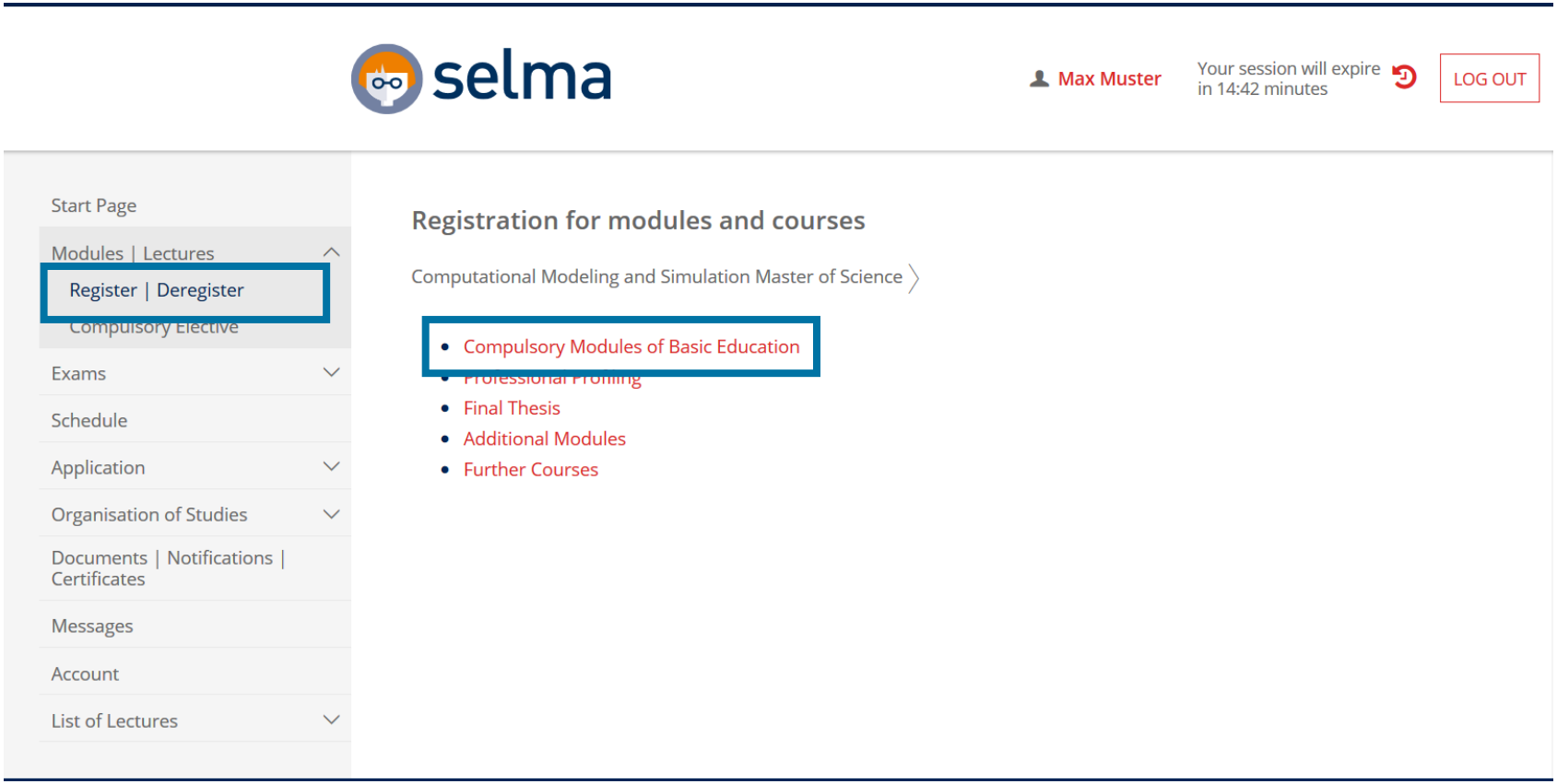
2. Login to the system



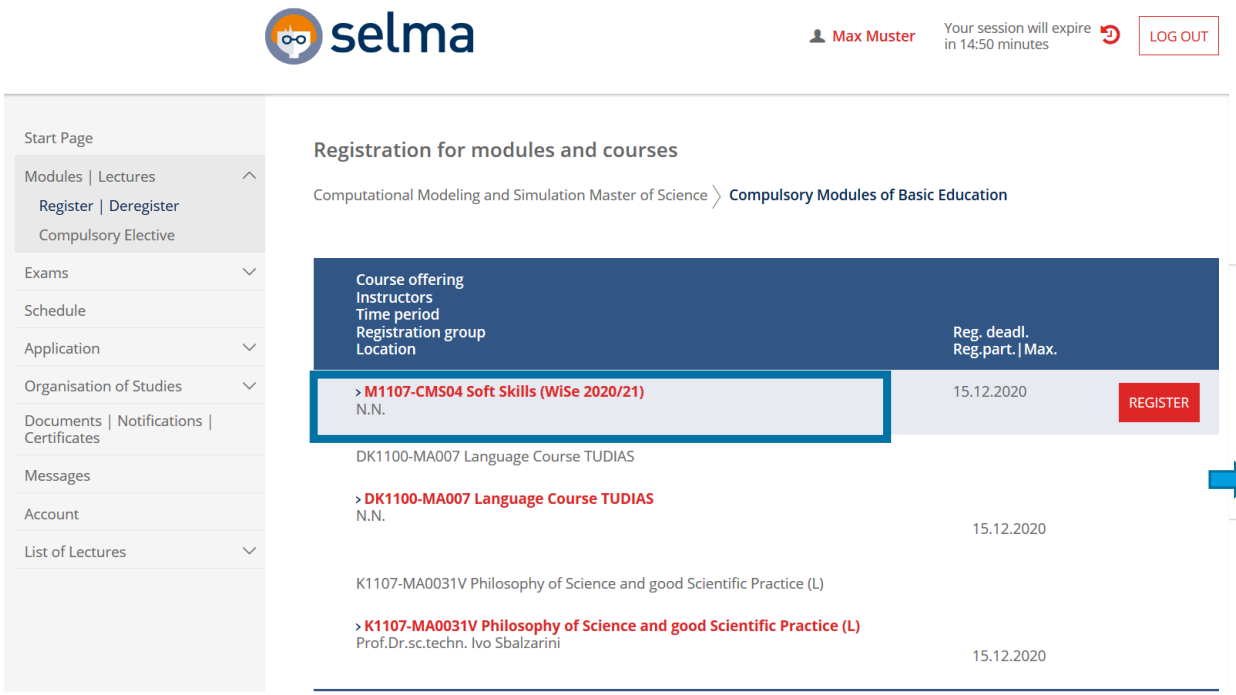
2. Login to the system

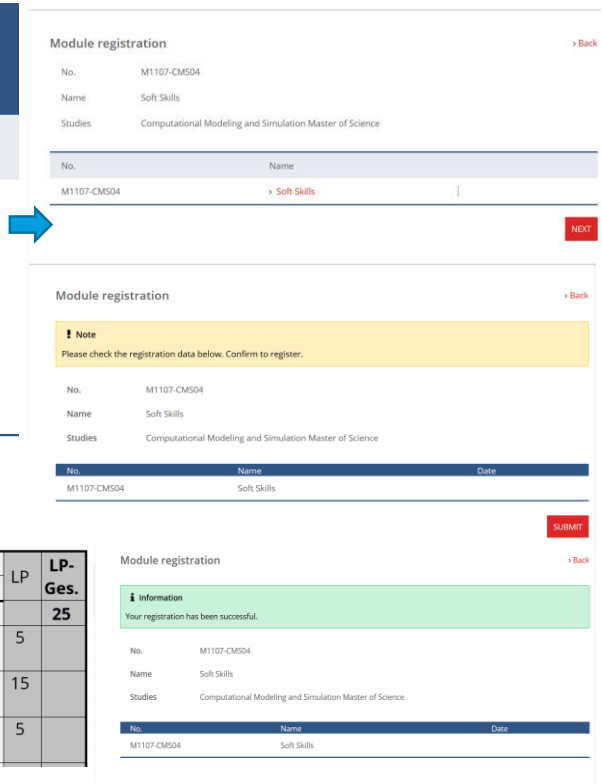


3. Registration for modules and courses



3. Registration for modules and courses





Modul-Nr.	Modulname	1. Semester V/Ü/S/T/PA/P/SK	2. Semester V/Ü/S/T/PA/P/SK	3. Semester (M) V/Ü/S/T/PA/P/SK	4. Semester	LP	LP-Ges.
[illegible]							25
CMS-SKL	Soft Skills	2/0/0/0/0/0/2 2PL				5	
CMS-PRO	Research Project			0/0/0/0/12/0/0 2PL		15	
CMS-SEM	Literature Studies in Computational Modeling		0/0/4/0/0/0/0 PL*			5	

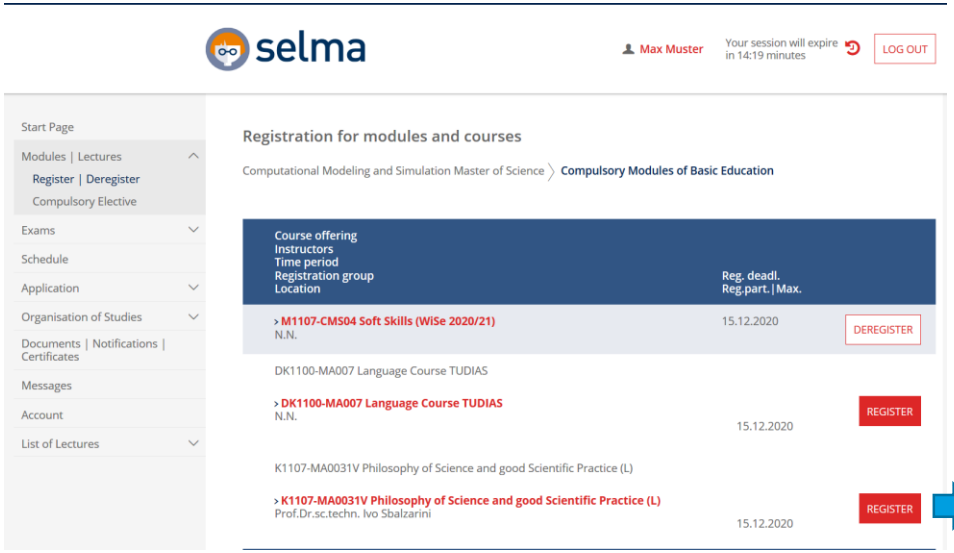
3. Registration for modules and courses

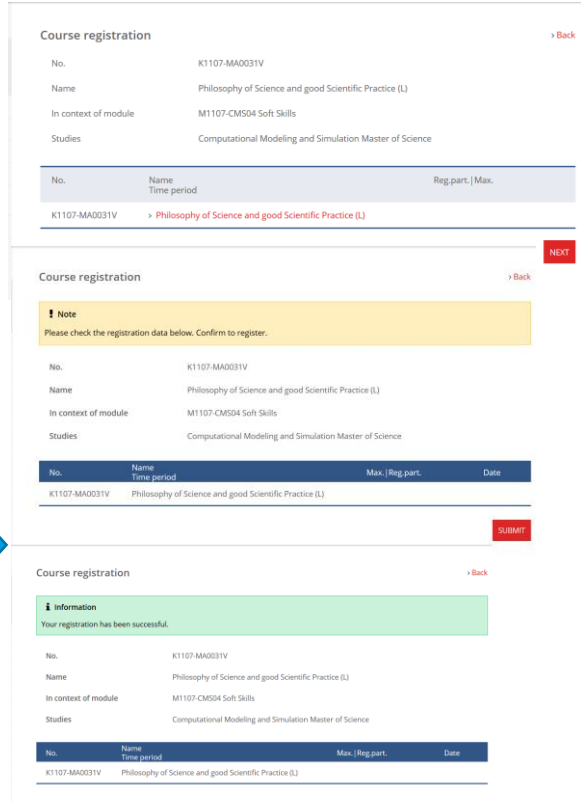
2nd Step: Registration for the course using the example of CMS-SKL in the compulsory part of the basic training

Note regarding the courses in CMS-SKL: **CORE MODULES:**

CMS-SKL: Course "Philosophy of Science and Good Scientific Practice" online; Language Courses are offered by TUDIAS. The course schedules are published on the TUDIAS web page https://wwwpub.zih.tu-dresden.de/~lskonlin/sprachplaene/.

Additional inscription necessary





3. Registration for modules and courses

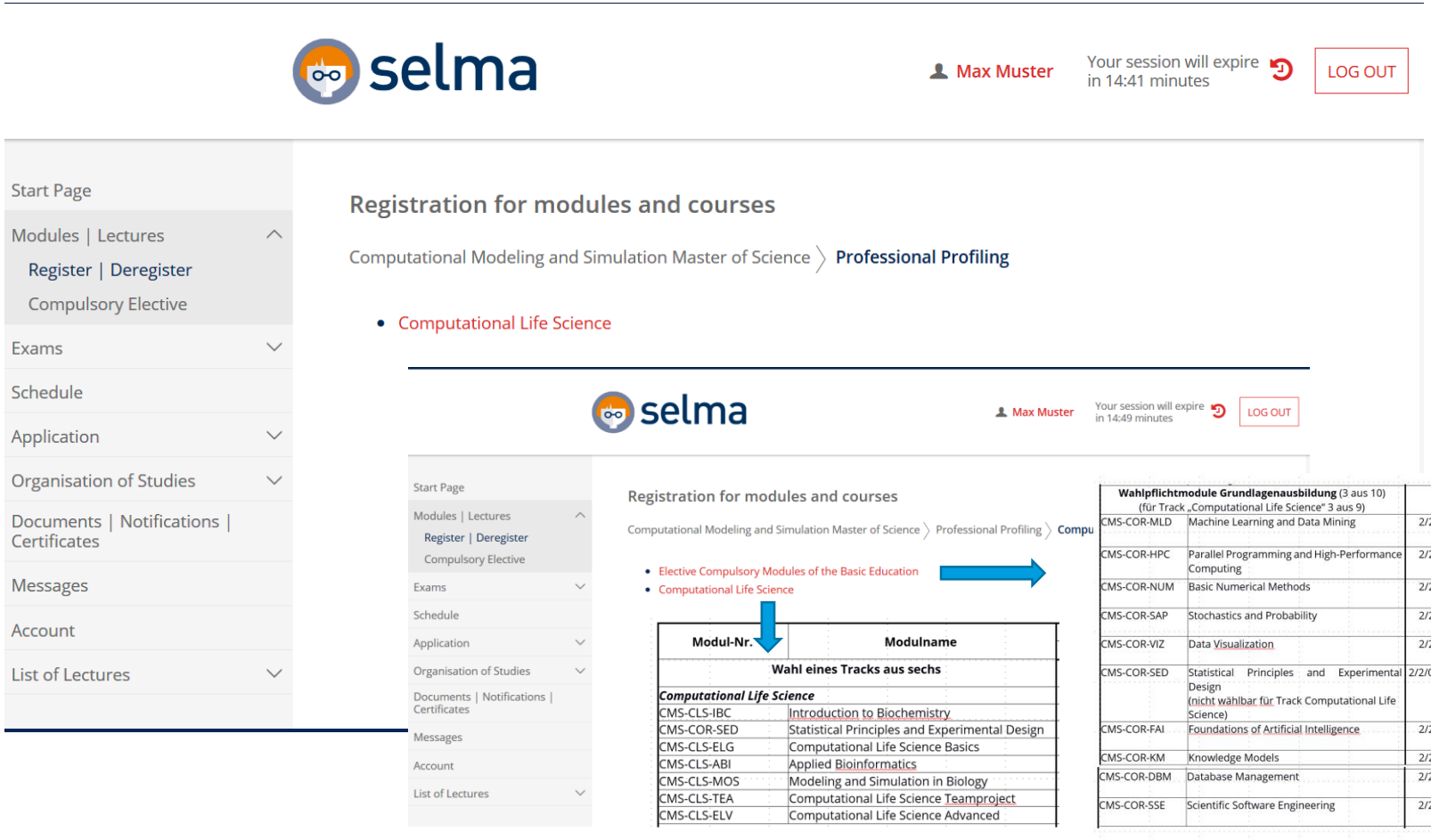
2nd Step: Registration for the course using the example of CMS-SKL in the compulsory part of the basic training

https://tu-dresden.de/studium/im-studium/studienorganisation/lehrangebot/studium-generale

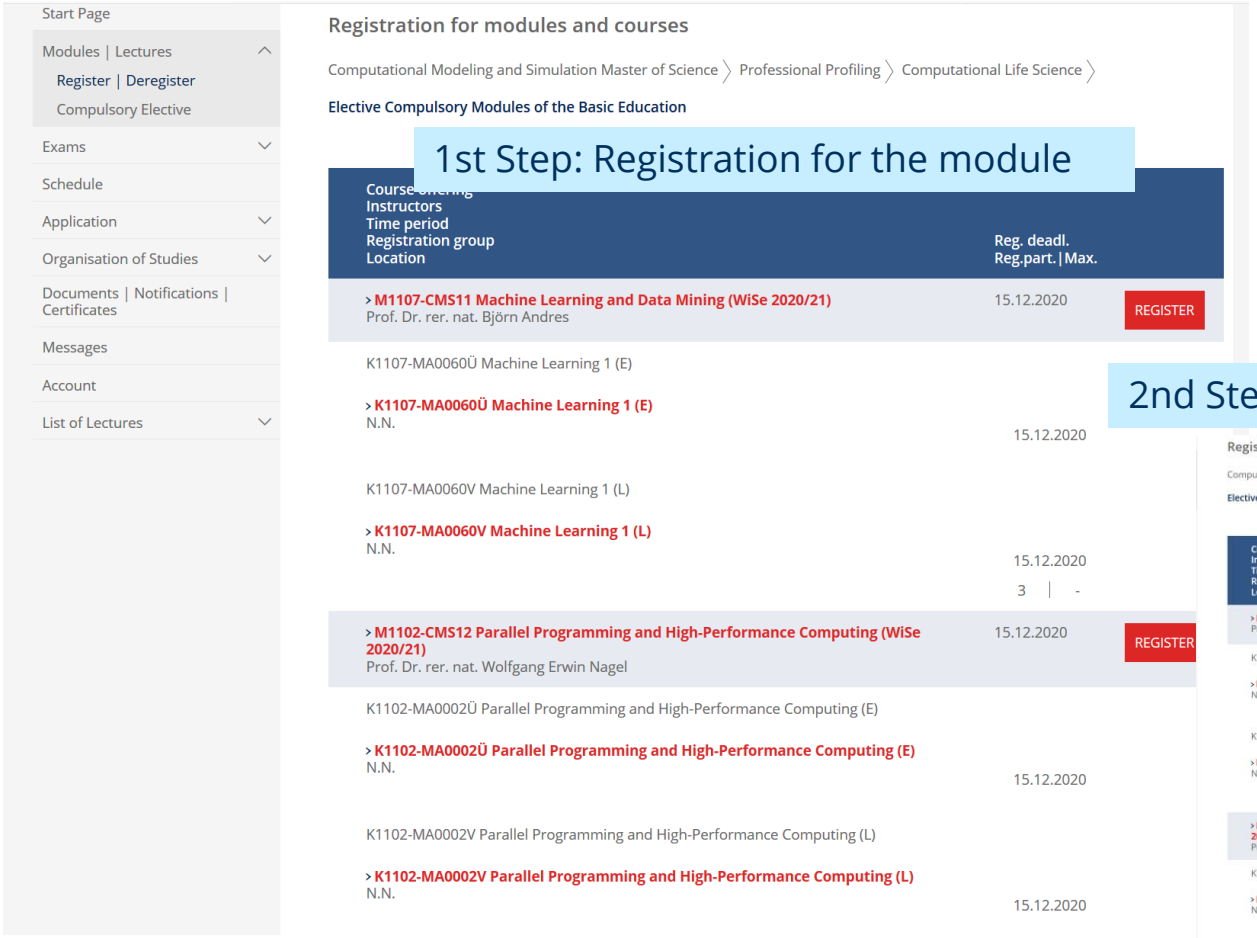
18	Englisch Public Speaking, Debating and Ethics (C1+)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Präsentation		K3010-EN7059K
19	Englisch (Wirtschaft): International Business Management (C1+)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Klausurarbeit	90	K3010-EN9754K
20	Englisch: Advanced Professional Writing I (C1)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Klausurarbeit	90	K3010-EN7057K
21	Englisch: Advanced Professional Writing II (C1/C2)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Klausurarbeit	90	K3010-EN7058K
22	Englisch: Career Start (C1)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Präsentation		K3010-EN7060K
23	Englisch: Intercultural Communication (C1)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Referat		K3010-EN7052K
24	Englisch: International Negotiations (C1+)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Präsentation		K3010-EN7063K
25	Englisch: Project Development and Administration (C1/C2)	TUDIAS		2 Spr	englisch	jedes	TUDIAS	Projektarbeit		K3010-EN7056K
26	Philosophy of Science and good Scientific Practice	INF	Ivo Sbalzarini	2 V	englisch	Winter	Sbalzarini	Präsentation	15 min	KT107-MA0051V
27	INVEKTIVITÄT (FLIK-MODUL: FORSCHEN UND LERNEN IM INTERDISZIPLINÄREN KONTEXT)	SLK	INSTITUT FÜR GERMANISTIK	2 V	deutsch	Winter	studium generale			DK1100-MA002
28	MODERNE TECHNOLOGIEENTWICKLUNGEN IM SPANNUNGSFELD VON KOMPLEXITÄT UND Nachhaltigkeit	PhilFak	ZENTRUM FÜR INTERDISZIPLINÄRE Technikforschung	2 V	deutsch	Winter	studium generale			DK1100-MA002

Inscription modalities for each course can be found under the weblink above.
Registration for this course in selma has to be done via the examination office

3. Registration for modules and courses in the professional profiling (example CLS)

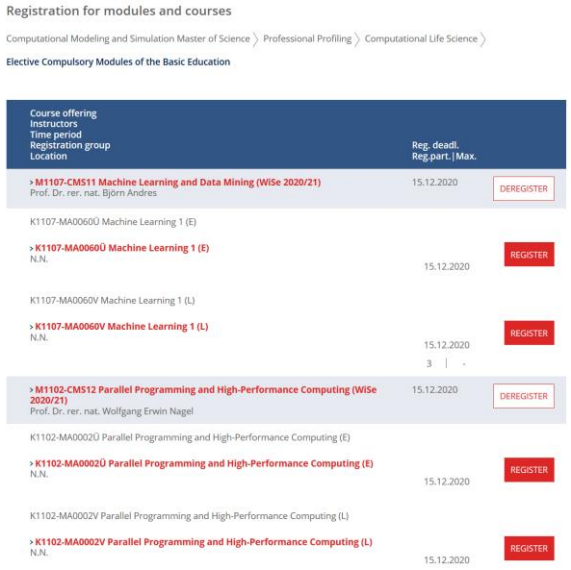


3. Registration for modules and courses in the professional profiling – elective compulsory part of the basic education



Wahlpflichtmodule Grundlagenausbildung (3 aus 10) (für Track „Computational Life Science" 3 aus 9)		
CMS-COR-MLD	Machine Learning and Data Mining	2/2/0/0/0/0/0 PL
CMS-COR-HPC	Parallel Programming and High-Performance Computing	2/2/0/0/0/0/0 PL
CMS-COR-NUM	Basic Numerical Methods	2/2/0/0/0/0/0 PL
CMS-COR-SAP	Stochastics and Probability	2/2/0/0/0/0/0 PL
CMS-COR-VIZ	Data Visualization	2/2/0/0/0/0/0 PL
CMS-COR-SED	Statistical Principles and Experimental Design (nicht wählbar für Track Computational Life Science)	2/2/0/0/0/0/0 PVL PL
CMS-COR-FAI	Foundations of Artificial Intelligence	2/2/0/0/0/0/0 PL
CMS-COR-KM	Knowledge Models	2/2/0/0/0/0/0 PL
CMS-COR-DBM	Database Management	2/2/0/0/0/0/0 PL

2nd Step: Registration for the course

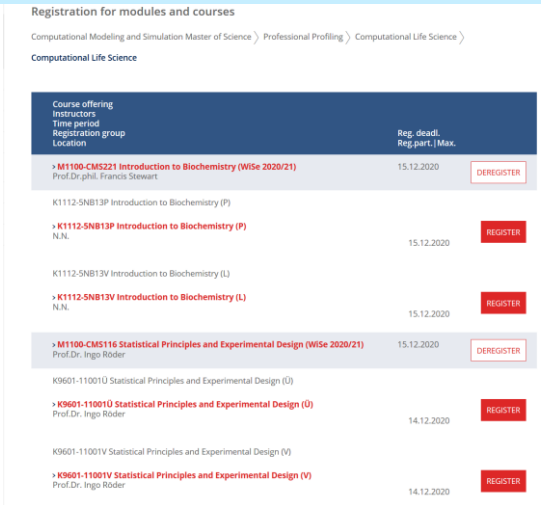


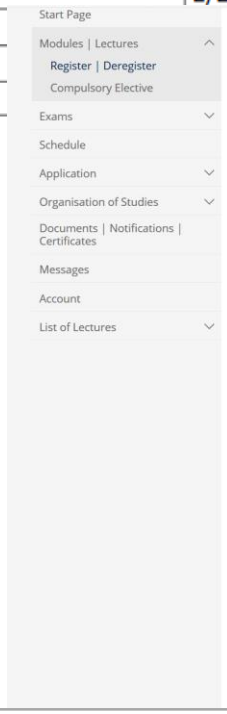
3. Registration for modules and courses in the professional profiling (example CLS)

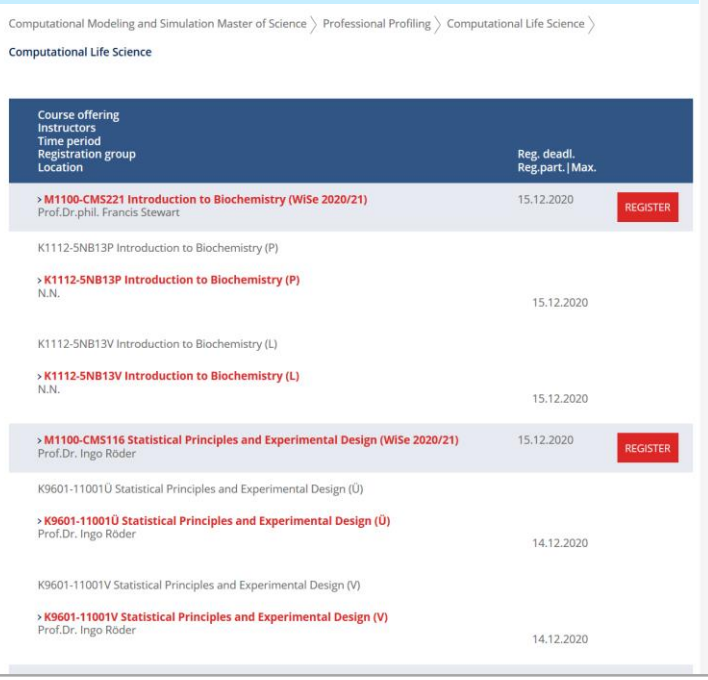
Module No	Module Name	First semester	Second semester	Third semester (M))	Fourth semester	Cred.	Total Cred.
		L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC	L/P/S/T/PW/I/LC			
Choice of a track from six options							
Computational Life Science							**50**
CMS-CLS-IBC	Introduction to Biochemistry	2/0/0/0/0/2/0 GW				5	
CMS-COR-SED	Statistical Principles and Experimental Design	2/2/0/0/0/0/0 GW				5	
CMS-CLS-ELG	Computational Life Science Basic		4 HPW* GW*	4 HPW* GW*		10	
CMS-CLS-ABI	Applied Bioinformatics		2/2/				
CMS-CLS-MOS	Modeling and Simulation in Biology						
CMS-COR-TEA	Computational Life Science Teamproject						
CMS-CLS-ELV	Computational Life Science Advanced						

1st Step: Registration for the module

2nd Step: Registration for the course

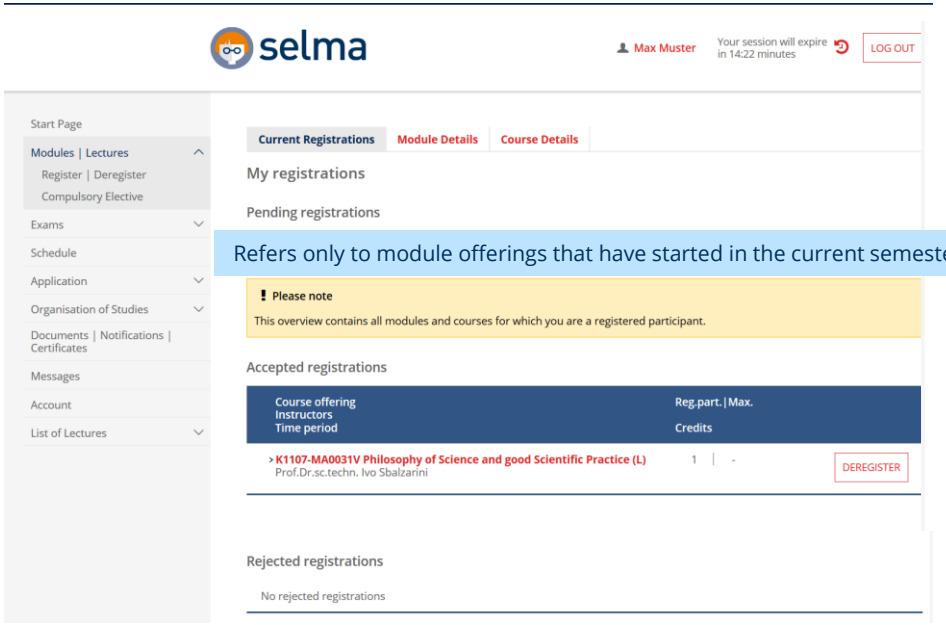






4. Overview of registered modules and courses

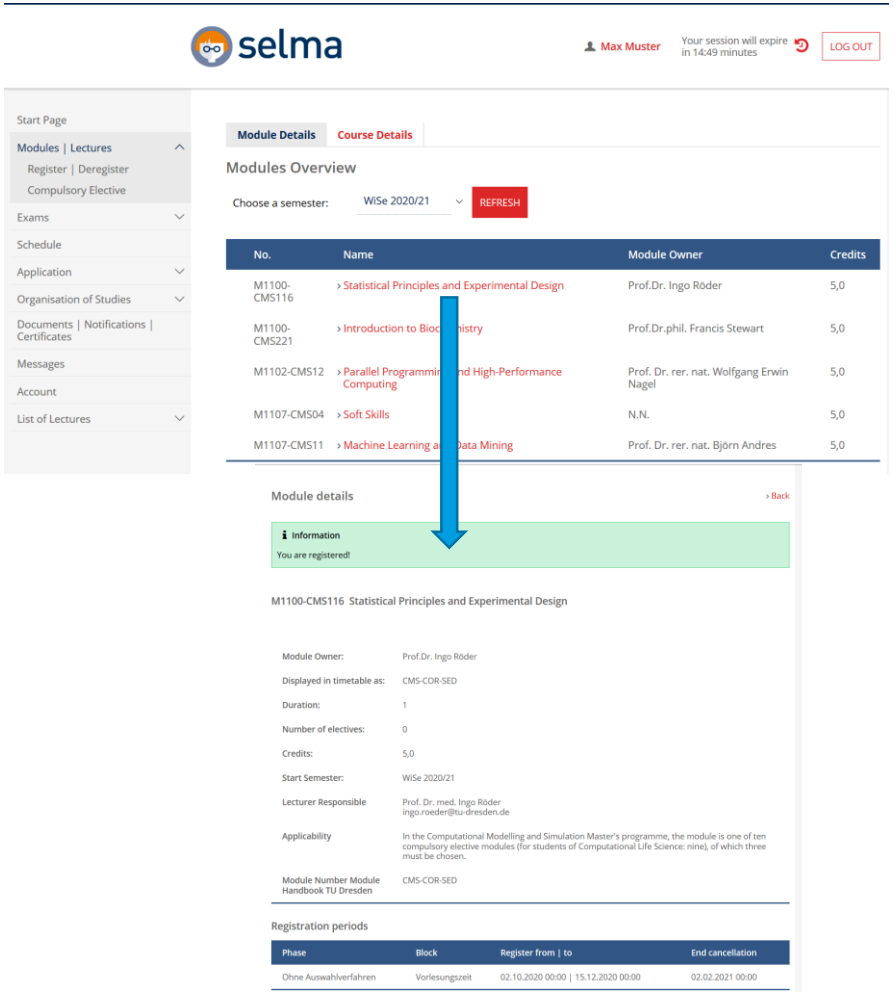
1. Current registrations

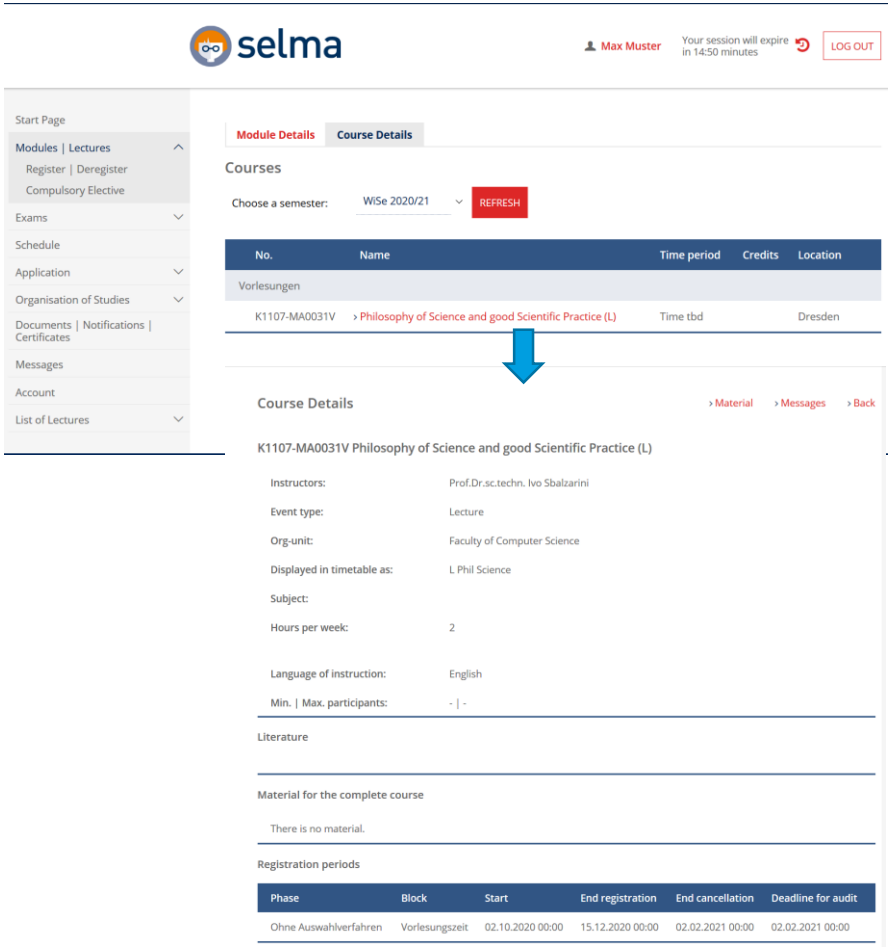


Refers only to module offerings that have started in the current semester

Cancellations of modules and courses are possible here but no registrations.

4. Overview of registered modules and courses –
2. Details of modules and courses





5. Important advice regarding the registration for courses in catalogue modules

In the CMS course of studies, a large number of courses can be integrated into several modules.

Which course can be integrated into which module is regulated by the respective course catalogue.

However, each course can be chosen by the student for one module only.

For the correct administration of the examination achievements it is therefore always important in which module the student wants to bring in the examination (module context).

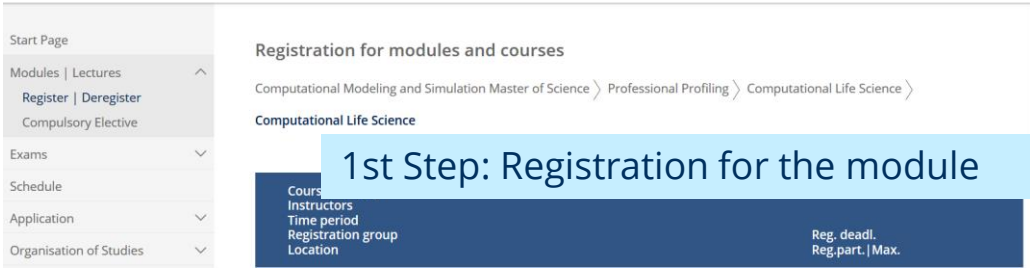
The prerequisite is that the student registers for the course in the correct module context.

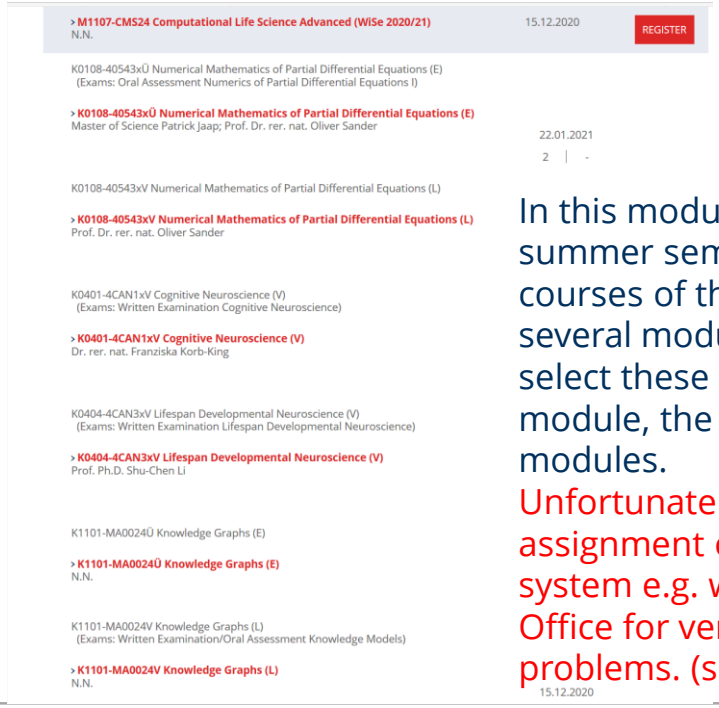
The number of credits to be achieved has to be taken into consideration when registering
for the exam, if the limit is exceeded, registration for the exam is not possible.

The number of course registrations is not limited.

3. Registration for modules and courses

https://tu-dresden.de/ing/informatik/studium/studienangebot/master-studiengaenge/computational-modeling-and-simulation/Courses_1





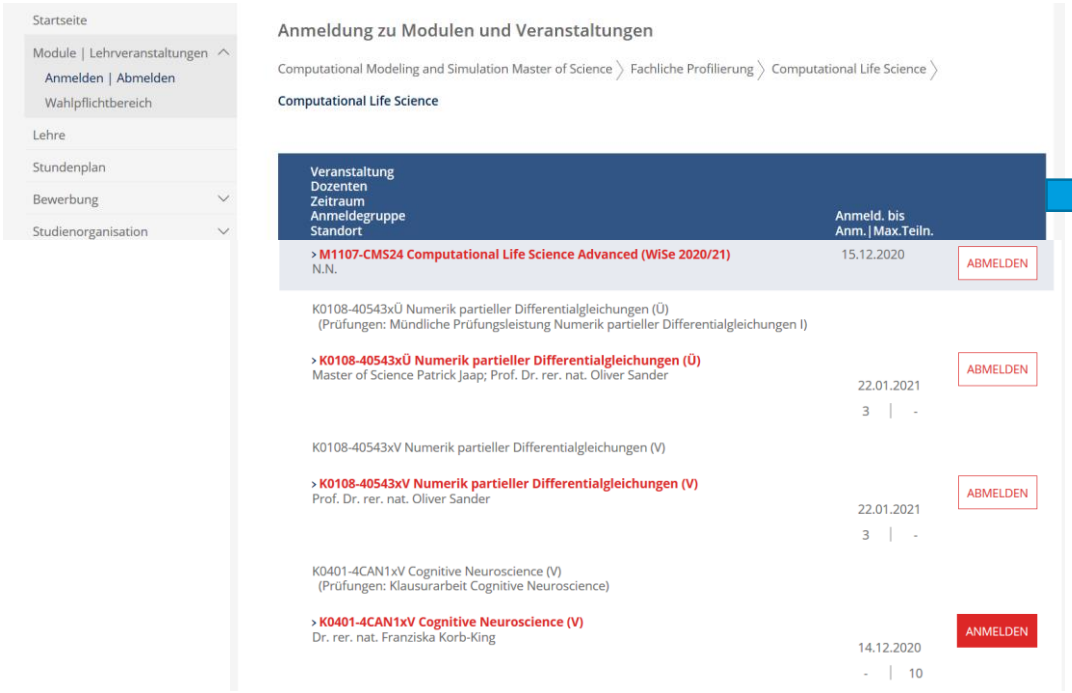
Nr.	LV-Name/course title	Fakultät/ faculty	Dozent/lecturer	SWS effort	Sprache / Language	Semester	Prüfer/examiner	Prüfungart examination performance	Duration	Wichtung nach SWS/ Weighting	Kursnummer selma
1	Biological Hydrodynamics	CMCB	Stephan Grill Benjamin Friedrich Jan Brugues	2V/1Ü	englisch	Winter	Grill	mündl. PL	20 min	3	K1112 SNB23b
2	Principles of Biophysics	CMCB	Michael Schlierf	2V/2Ü	englisch	Winter	Schlierf	Klausurarbeit	90 min	4	K1112 SMB15b
3	Computergraphik 1	INF	Stefan Gumhold	2V/2Ü	deutsch/ englisch	Winter	Gumhold	Klausurarbeit 90 min/mündl. PL 20 min -=15 Tn		4	K1104 MA0025
4	Computergraphik 3	INF	Stefan Gumhold	2V/2Ü	deutsch/ englisch	Winter	Gumhold	Klausurarbeit 90 min/mündl. PL 20 min -=15 Tn		4	K1104 MA0045
5	Data Visualization	INF	Raimund Dachselt Stefan Gumhold	2V/2Ü	deutsch/ englisch	Winter	Dachselt Gumhold	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1104 CMS03
6	Design Patterns and Frameworks	INF	Uwe Aßmann Sebastian Götz	2V/2Ü	englisch	Winter	Uwe Aßmann Sebastian Götz	Klausurarbeit 90 min/mündl. PL 15 min = 20 Tn		4	K1104 MA0020
7	Hochleistungsrechner und ihre Programmierung	INF	Wolfgang Nagel Robert Schöne	2V/2Ü	englisch	Winter	Nagel	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1102 MA0002
8	Interactive Multimedia Information Retrieval	INF	Annett Mitschick	2V/2Ü	deutsch/ englisch	Winter	Mitschick	Klausurarbeit 90 min/mündl. PL 20 min -=10 Tn		4	K1104 MA0034
9	Knowledge Graphs	INF	Markus Krötzsch Maximilian Marx	2V/2Ü	englisch	Winter	Markus Krötzsch	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1101 MA0024
10	Machine Learning 1	INF	Björn Andres	2V/2Ü	englisch	Winter	Björn Andres	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1107 MA0060
11	Problem Solving and Search in Artificial Intelligence	INF	Dr. Lucía Gómez Alvarez Sarah Alice Gaggl	2V/2Ü	englisch	Winter	Sebastian Rudolph	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1107 MA0056
12	Transactional Information Systems	INF	Wolfgang Lehner Dirk Habich	2V/2Ü	englisch	Winter	Wolfgang Lehner Dirk Habich	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1106 MA0020
13	User Interface Engineering	INF	Raimund Dachselt Anke Lehmann	2V/2Ü	deutsch/ englisch	Winter	Dachselt	Klausurarbeit 90 min/mündl. PL 20 min -=10 Tn		4	K1104 MA0024
14	Stochastic Modeling and Simulation	INF	Ivo Sbalzarini Christoph Zechner	2V/2Ü	englisch	Winter	Sbalzarini	Klausurarbeit 90 min/mündl. PL 30 min = 10 Tn		4	K1107 MA0002
15	Introduction to Mathematical Biology 1	INF (ZIH)	Andreas Deutsch Lutz Brusch	2V/1Ü	englisch	Winter 20/21	Andreas Deutsch Lutz Brusch	mündl. PL	30 min	3	K1102 ZIH001
16	Introduction to Mathematical Biology 2	INF (ZIH)	Andreas Deutsch Lutz Brusch	2V/1Ü	englisch	Winter 19/20	Andreas Deutsch Lutz Brusch	mündl. PL	30 min	3	K1102 ZIH002
17	Numerik partieller Differentialgleichungen	MATH	Gunar Matthies	3V/1Ü	deutsch/ englisch	Winter	Matthies	Mündliche Prüfungsleistung (Gruppenprüfung) 20 min		4	K0108 40543x

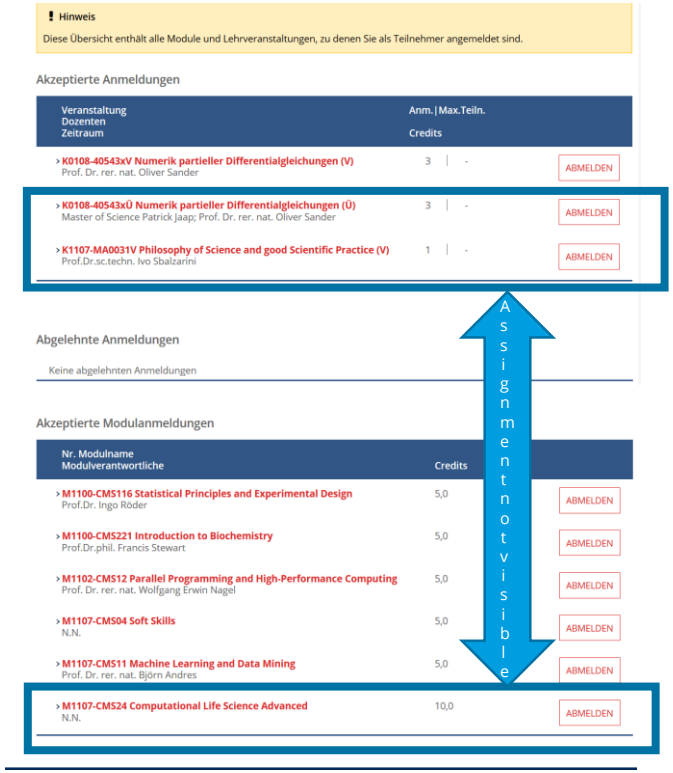
In this module courses are offered which take place either in the summer semester or in the winter semester. On the web, only the courses of the current semester are visible. Courses, which are offered in several modules, are displayed in all these modules. However, you may select these courses only in one module. After registration in one module, the course will be displayed as registered in all of these modules.

Unfortunately, selma does not offer you a clear overview of the assignment of the courses to the modules. Please lie down outside the system e.g. with Excel a file which you can send to the Examination Office for verification and clarification of mistakes in case of registration problems. (see example test student from Track VC)

Example for the registration for courses and catalogue modules

17	Numerik partieller Differentialgleichungen	MATH	Gunar Matthies	3V/1Ü	deutsch/ englisch	Winter	Matthies	Mündliche Prüfungsleistung (Gruppenprüfung) 20 min	4	K0108-40543x





Example test student from Track VC (Version 2018 of the Examination Regulations)
The test student studies in the 3rd semester.

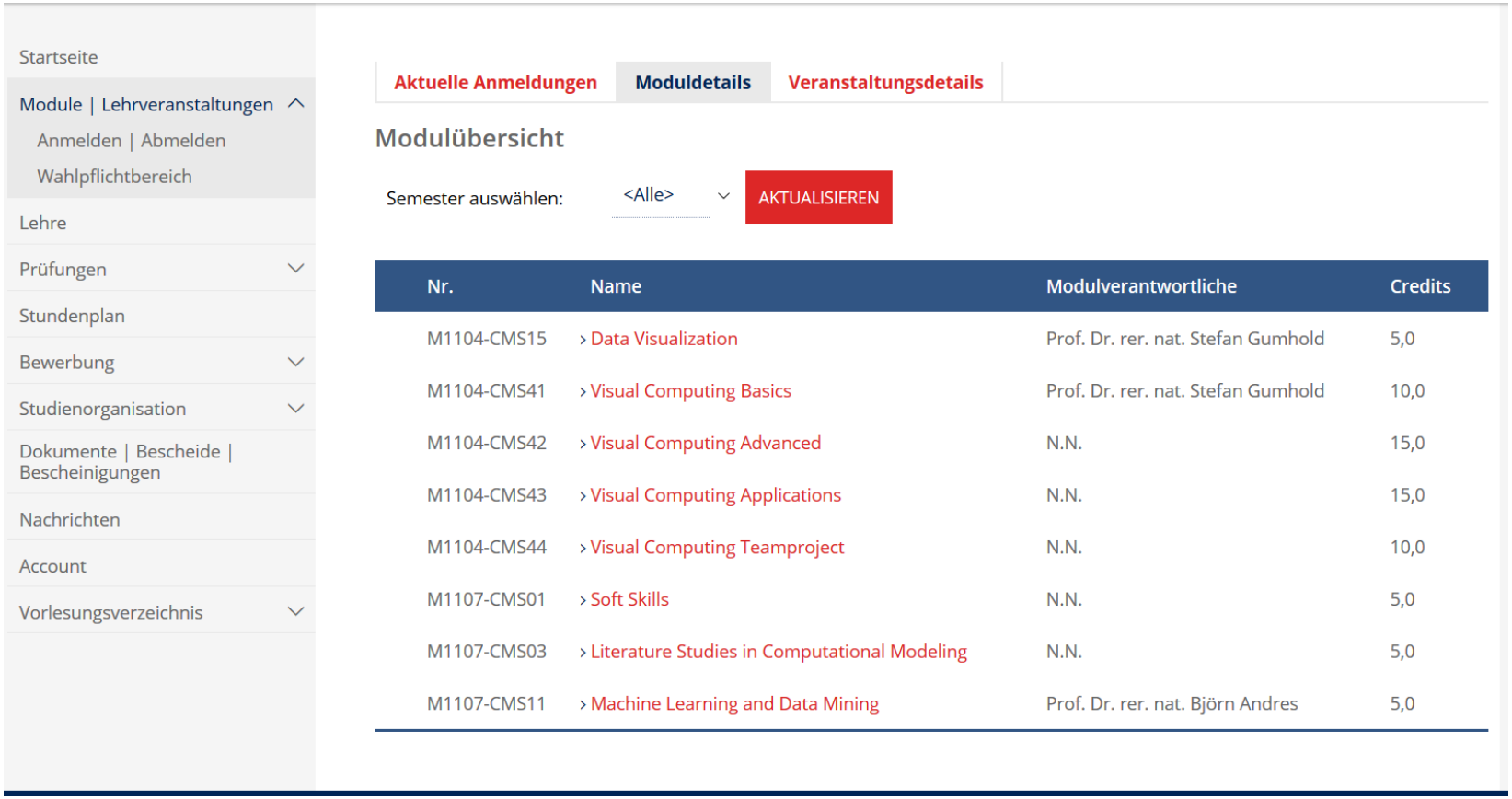
The following example shows the registrations for modules and courses for a test student from the track VC

Sample file from Excel for independent monitoring:

Modul-Nr.	Modulname	CN-Nr.	Kursname	CN-Nr.	Prüfung	1. Semester			2.Semester			3. Semester		
						Modul angemeldet	Kurs angemeldet	Prüfung angemeldet /Ergebnis	Modul angemeldet	Kurs angemeldet	Prüfung angemeldet	Modul angemeldet	Kurs angemeldet	Prüfung angemeldet
Pflichtmodule Grundlagenausbildung/Compulsory Modules of Basic Educations														
CMS-SKL	Soft Skills	M1107-CMS01	Phylosophy of Science and good Scientific Pracice	K1107-MA0031V		WS19/20	WS19/20							
			2 SWS Sprachkurs											
CMS-PROJ	Research Project	M1107-CMS02												
CMS-SEM	Literature Studies in Computational Modeling	M1107-CMS03							SoSe 2020					
			Lieraturanalyse zu aktuellen Fragen der Energiewirtschaft	K1001-14M054S	Seminararbeit					SoSe2020	SoSe 2020 bestanden			
					Kolloquium						SoSe2020 bestanden			
			Hauptseminar Coputergraphik und Visualisierung S	K1104-AQ0005S	Seminararbeit					SoSe2020	SoSe 2020 bestanden			
Wahlpflöichtmodule Grundlagenausbildung/Elective Compulsory Modules of Basic Educations (3 aus 6(5))														
CMS-COR-MLD	Machine Learning and Data Mining	M1107-CMS11	Machine Learning 1 V/Ü	K1107-MA0060V/Ü		WS19/20	WS19/20	WS19/29 Rücktritt			SS2020 bestanden			
CMS-COR-HPC	Parallel Programming and High-Performance Computing	M1102-CMS12												
CMS-COR-NUM	Basic Numerical Methods	M1107-CMS13												
CMS-COR-SAP	Stochastistics and Probability	M1107-CMS14												
CMS-COR-VIZ	Data Visualization	M1104-CMS15	Data Visualization V/Ü	K1104-CMS03V/Ü	Klausurarbeit	WS19/20	WS19/20	WS19/20 bestanden						
CMS-COR-SED	Statistical Priniples and Experimental Design (nicht für Track CLS wählbar)	M1100-CMS16												
Wahlpflichtbereich fachliche Profilierung - Track: Visual Computing														
CMS-VC-ELG	Visual Computing Basics	M1104-CMS41				WS19/20								
	8 SWS aus Katalog		User Interface Engineering V/Ü	K1104-MA0024V/Ü			WS19/20	WS19/20 nb						
			Computergrafik 1 V/Ü	K1104-MA0025V/Ü			WS19/20							
CMS-VC-ELV1	Visual Computing Advanced	M1104-CMS42							SoSe 2020					
	12 SWS aus Katalog		Digitization and Data Analytics... V	K1102-ZIH03V						SoSe2020				
			Computer Vision 2 V/Ü	K1107-MA0016V/Ü	Mündl. PL					SoSe2020	SoSe 2020/ bestanden			
			Machine Learning 2	K1107-MA0062V/Ü						SoSe2020				
CMS-VC-ELV2	Visual Computing Applications	M1104-CMS43							SoSe 2020					
	12 SWS aus Katalog		Teamprojekt Computational Life Science	K1107-CMS02X	Kolloquium					SoSe2020	SoSe 2020			
					Projektarbeit						SoSe 2020			
CMS-VC-TEA	Visual Computing Teamprojekt	M1104-CMS44							SoSe2020					
			Teamprojekt Interactive Visual	K1104-CMS06X	Projektarbeit					SoSe2020	SoSe 2020/bestanden			
					Kolloquium						SoSe 2020/ bestanden			
	Modul bestanden													

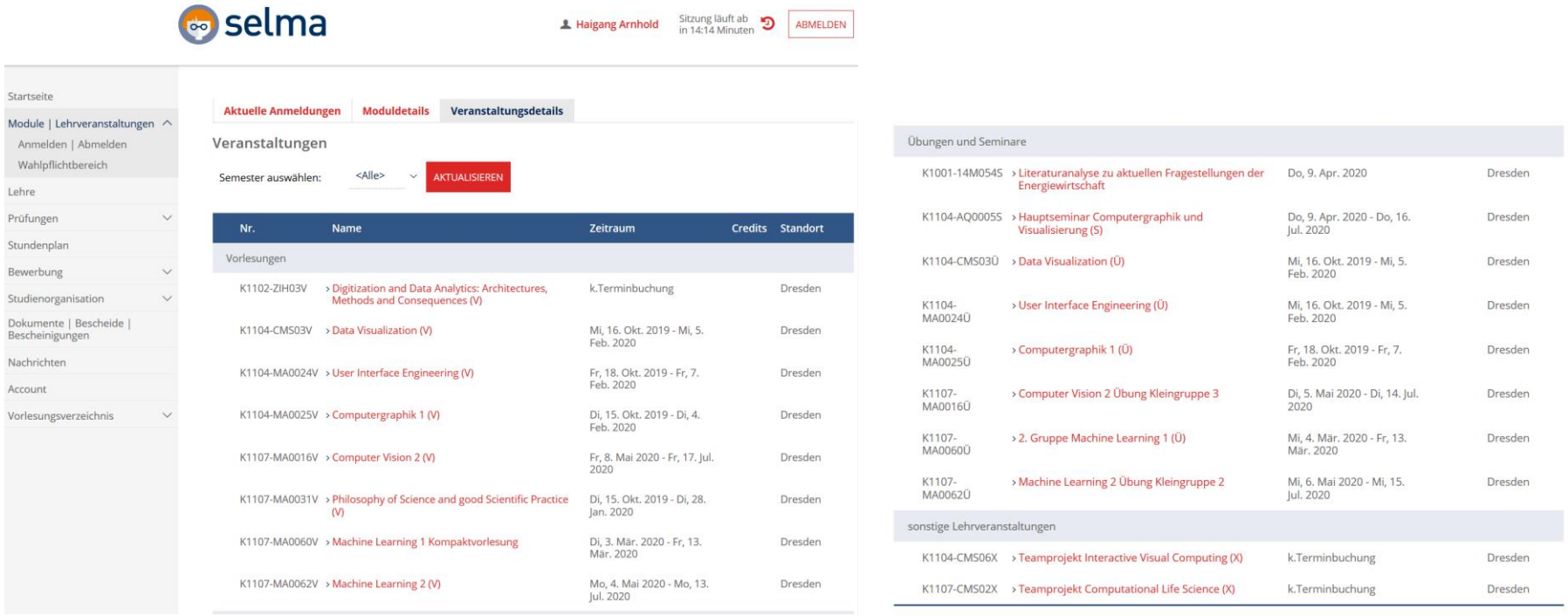
Overview of registered modules and courses for the test student from Track VC

Overview of registered modules



Overview of registered modules and courses for the test student from Track VC

Overview of registered courses



selma

Haigang Arnhold Sitzung läuft ab in 14:14 Minuten ABMELDEN

- Startseite
- Module | Lehrveranstaltungen
  - Anmelden | Abmelden
  - Wahlpflichtbereich
- Lehre
- Prüfungen
- Stundenplan
- Bewerbung
- Studienorganisation
- Dokumente | Bescheide | Bescheinigungen
- Nachrichten
- Account
- Vorlesungsverzeichnis

Aktuelle Anmeldungen | Moduldetails | Veranstaltungsdetails

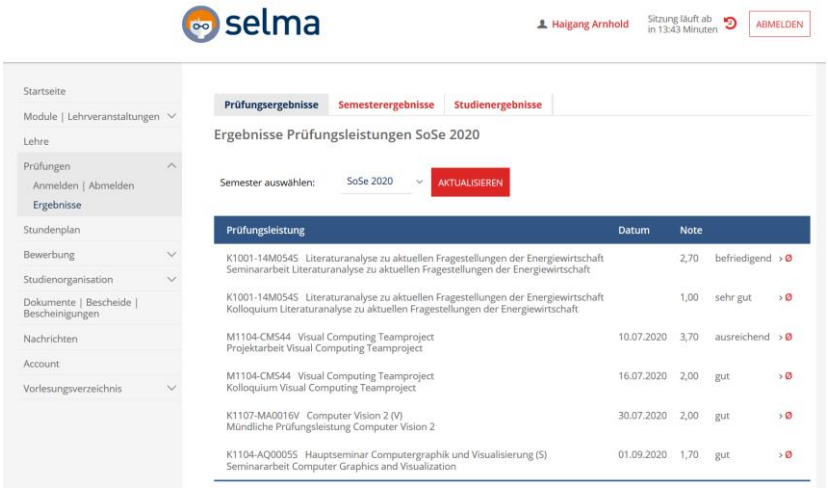
Veranstaltungen

Semester auswählen: <Alle> AKTUALISIEREN

Nr.	Name	Zeitraum	Credits	Standort
Vorlesungen				
K1102-ZIH03V	Digitization and Data Analytics: Architectures, Methods and Consequences (V)	k.Terminbuchung		Dresden
K1104-CMS03V	Data Visualization (V)	Mi, 16. Okt. 2019 - Mi, 5. Feb. 2020		Dresden
K1104-MA0024V	User Interface Engineering (V)	Fr, 18. Okt. 2019 - Fr, 7. Feb. 2020		Dresden
K1104-MA0025V	Computergraphik 1 (V)	Di, 15. Okt. 2019 - Di, 4. Feb. 2020		Dresden
K1107-MA0016V	Computer Vision 2 (V)	Fr, 8. Mai 2020 - Fr, 17. Jul. 2020		Dresden
K1107-MA0031V	Philosophy of Science and good Scientific Practice (V)	Di, 15. Okt. 2019 - Di, 28. Jan. 2020		Dresden
K1107-MA0060V	Machine Learning 1 Kompaktvorlesung	Di, 3. Mär. 2020 - Fr, 13. Mär. 2020		Dresden
K1107-MA0062V	Machine Learning 2 (V)	Mo, 4. Mai 2020 - Mo, 13. Jul. 2020		Dresden
Übungen und Seminare				
K1001-14M054S	Literaturanalyse zu aktuellen Fragestellungen der Energiewirtschaft	Do, 9. Apr. 2020		Dresden
K1104-AQ0005S	Hauptseminar Computergraphik und Visualisierung (S)	Do, 9. Apr. 2020 - Do, 16. Jul. 2020		Dresden
K1104-CMS03Ü	Data Visualization (Ü)	Mi, 16. Okt. 2019 - Mi, 5. Feb. 2020		Dresden
K1104-MA0024Ü	User Interface Engineering (Ü)	Mi, 16. Okt. 2019 - Mi, 5. Feb. 2020		Dresden
K1104-MA0025Ü	Computergraphik 1 (Ü)	Fr, 18. Okt. 2019 - Fr, 7. Feb. 2020		Dresden
K1107-MA0016Ü	Computer Vision 2 Übung Kleingruppe 3	Di, 5. Mai 2020 - Di, 14. Jul. 2020		Dresden
K1107-MA0060Ü	2. Gruppe Machine Learning 1 (Ü)	Mi, 4. Mär. 2020 - Fr, 13. Mär. 2020		Dresden
K1107-MA0062Ü	Machine Learning 2 Übung Kleingruppe 2	Mi, 6. Mai 2020 - Mi, 15. Jul. 2020		Dresden
sonstige Lehrveranstaltungen				
K1104-CMS06X	Teamprojekt Interactive Visual Computing (X)	k.Terminbuchung		Dresden
K1107-CMS02X	Teamprojekt Computational Life Science (X)	k.Terminbuchung		Dresden

Overview of registered exams

Overview of the results in the individual examinations and module examinations

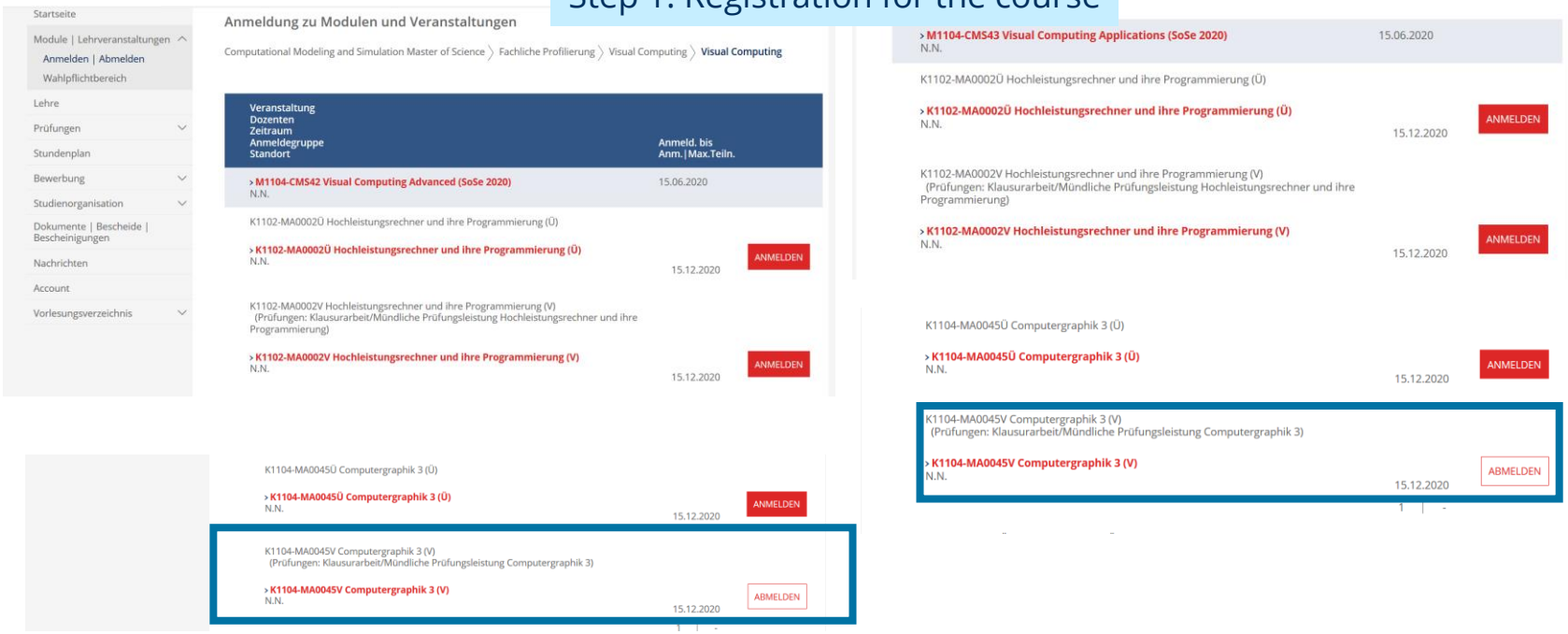


The test student has decided not to complete the previously registered course Machine Learning 2 in the context of the module M1104-CMS42. As he didn't register for the exam, this is possible.

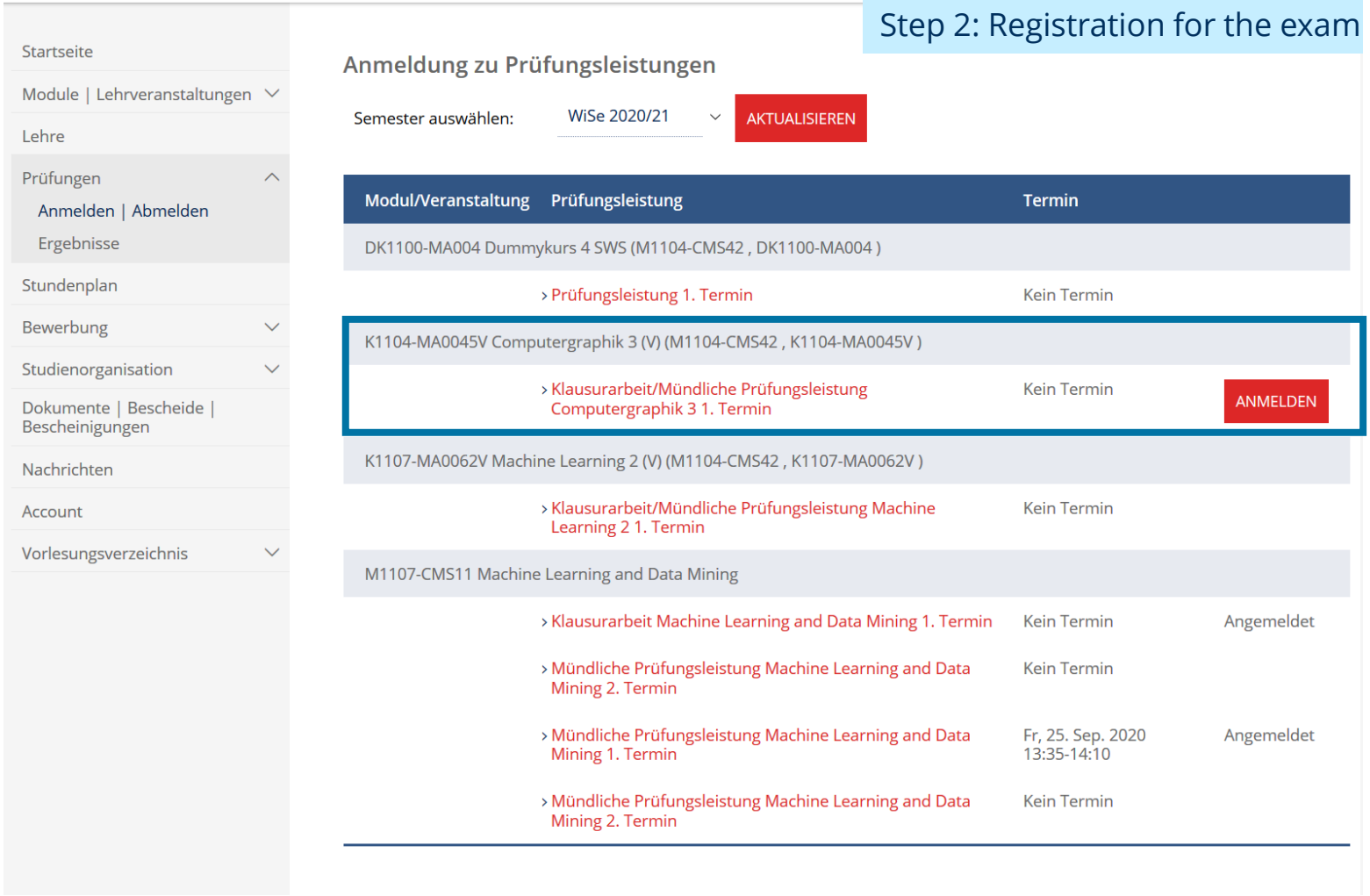
He registers for the course Computer Graphics 3 in the module M1104 - CMS42 in the current winter semester.

This course is also offered in module M1104-CMS43, the student now sees the course as registered in both modules. However, registration for the exam is subsequently only possible in module M1104-CMS42.

Step 1: Registration for the course



Step 2: Registration for the exam



If you have further questions, please contact the examination office.

Jule Liers / Kerstin Kruse
E-Mail: cms-examoffice@mailbox.tu-dresden.de
Tel.: (0351)46339240