adolphe merkle institute
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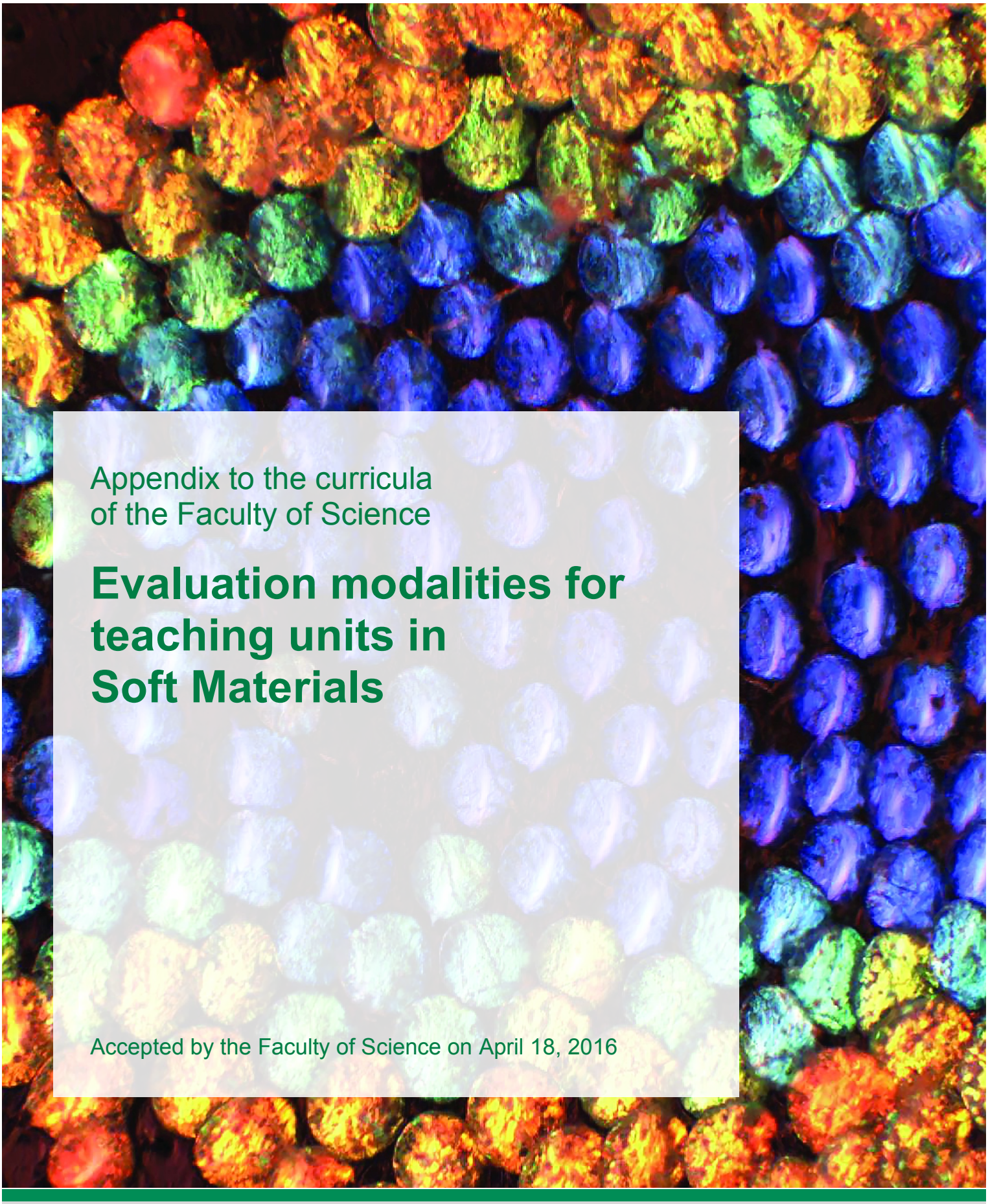

Appendix to the curricula
of the Faculty of Science

Evaluation modalities for teaching units in Soft Materials

Accepted by the Faculty of Science on April 18, 2016

FACULTÉ DES SCIENCES
MATHEMATISCH-NATURWISSENSCHAFTLICHE FAKULTÄT

UNI FR

1 Introduction

This appendix describes the evaluation criteria of teaching units (TU) under the responsibility of the Adolphe Merkle Institute (AMI). It supplements the curriculum for the "**Specialized Master of Science in Chemistry and Physics of Soft Materials",** where TU are labelled with the codes "SO.nnnn". It is subject to the "Regulations for obtaining the Bachelor of Science and Master of Science".

All relevant documents can be found at http://www.unifr.ch/science/plans/plans_e.php.

2 Evaluation of the teaching

Exercises, projects and seminars will be evaluated according to criteria that will be announced at the beginning of each semester. The satisfactory evaluation of exercises is a prerequisite for the participation in the exam of the corresponding course. Course are evaluated by oral or written exams, the duration of which is listed below. The exams take place, in general, at the end of the two semesters (autumn, spring). The students have to register for each exam on the online portal GestEns (http://gestens.unifr.ch/sc) with their personal account and password, within the registration period of each course. The exam covers the entire material that was taught in the TU of the corresponding semester. In exceptional cases, a list of the examined material will be provided by the AMI and / or the responsible teacher. The exam results are ranked on a scale ranging from 6 (best) to 1 (lowest ranking). An exam with a ranking below 4 can be repeated only once at the earliest at the next exam session.

3 Evaluation Criteria

Exercises, projects and seminars will be evaluated according to criteria that will be announced at the beginning of each semester. In some cases, exercises will be examined together with the corresponding course.

Code	Teaching Unit	ECTS	Evaluation criteria
SO.4102	Nanomaterials (exercises)	1.5	Adequate participation: pass/fail
SO.4110	Fundamentals in cell biology (lecture)	3	30 min oral exam
SO.4111	Fundamentals in cell biology (exercises)	1.5	Adequate participation: pass/fail
BE-SO.4120	Microscopy	3	Written exam
SO.4150	Basic laboratory skills (practical course)	9	Pass/fail, based on reports of the experiments
SO.4160	Seminar attendance I	0.5	Attendance
SO.4210	Scattering techniques (lecture)	3	30 min oral exam
SO.4215	Soft condensed matter physics (exercises)	1.5	Adequate participation: pass/fail
SO.4220	Biophysics (lecture)	3	30 min oral exam
SO.4221	Biophysics (exercises)	1.5	Adequate participation: pass/fail
SO.4250	Short project I (practical course)	4.5	Report + oral presentation
SO.4260	Seminar attendance II	0.5	Attendance
SO.4310	Functional materials (lecture)	3	30 min oral exam
SO.4311	Functional materials (exercises)	1.5	Adequate participation: pass/fail
SO.4320	Biological materials (lecture)	3	30 min oral exam
SO.4321	Biological materials (exercises)	1.5	Adequate participation: pass/fail
SO.4330	Innovation	1.5	Written report (pass/fail)
SO.4350	Short project II (practical course)	4.5	Report + oral presentation
SO.4360	Seminar attendance III	0.5	Attendance

SO.4510	Polymer engineering (lecture)	3	30 min oral exam
SO.4511	Exercises in polymer engineering (exercises)	1.5	Adequate participation: pass/fail
SO.4520	Self assembly, self-organization (lecture)	1.5	20 min oral exam
BE-SO.4530	Applied biomaterials (lecture)	3	written exam
SO.4540	Soft matter modelling and simulation techniques (lecture)	3	30 min oral exam
SO.4541	Soft matter modelling and simulation techniques (exercises)	1.5	Adequate participation: pass/fail
SO.4550	Materials for energy applications (lecture)	3	30 min oral exam
SO.4560	Risk-assessment and toxicology of modern materials (lecture)	1.5	20 min oral exam
SO.4570	Biomembranes (lecture)	3	30 min oral exam
SO.5000	Master thesis	45	Lab work, written thesis, oral presentation with questions of 30 min
SO.5001	Seminar attendance IV	0.5	Attendance