
This English translation serves solely for information purposes.
Please note that only the German version is legally binding.

**Subject-specific Examination Regulations
for the Master's Degree Programme
Mechanical Engineering/Mechatronics at
the Kaiserslautern University of Applied Sciences
dated 26 May 2021**

(*Hochschulanzeiger* No. 5/2021 dated 31 May 2021, p.15)

This unofficial reading version applies to all students of the Master's degree programme Mechanical Engineering/Mechatronics who have enrolled in the programme since the winter semester 2021/2022.

Students who began their studies at an earlier point in time can get information at the Examination Office about the version applicable to them and a possible transfer to this new version.

For information purposes: In the portal/QIS, the name PO 2021 is used.

Pursuant to Sec 7 Paragraph 2 Number 2 and Sec 86 Paragraph 2 Number 2 of the Higher Education Act (HochSchG) in the version dated 23 September 2020 (GVBl., p. 461), last amended by Sec 31 of the Act dated 17 December 2020 (GVBl, p. 719), BS 223-41, the Faculty Council of the Department of Applied Engineering Sciences has passed the following Subject-specific Examination Regulations for the Master's degree programme Mechanical Engineering/Mechatronics on 28 April 2021. The Senate of the Kaiserslautern University of Applied Sciences commented on them on 19 May 2021 and the President approved these Subject-specific Examination Regulations on 25 May 2021. They are hereby published.

Content

Sec 1 Area of Applicability of these Subject-specific Examination Regulations

Sec 2 Type of Degree Programme and Academic Degree

Sec 3 Start of Studies, Regular Duration of Studies, Scope and Structure of Courses Offered, Specialisations

Sec 4 Part-Time Degree Programme

Sec 5 Language

Sec 6 Admission Conditions for Degree Programme

Sec 7 Examination Board

Sec 8 Compulsory Elective Modules, R&D Modules

Sec 9 Admission Requirements for Examinations, Registration Deadlines

Sec 10 Types and Forms of Examinations, Times for Completion

Sec 11 Learning Portfolio

Sec 12 Combined Examination

Sec 13 Internship for Master's Thesis

Sec 14 Registration, Withdrawal and Retaking of Examinations

Sec 15 Mobility Module

Sec 16 Master's Thesis and Colloquium about the Master's Thesis

Sec 17 Module Grade, Calculation of Overall Grade, Transcript of Records

Sec 18 Area of Applicability, Effective Date, Expiration Date, Transitional Regulations

Annexes:

Annex 1 – Syllabi

Annex 2 – Compulsory Module and Compulsory Elective Modules

Annex 3 – Admission Regulations for the Master's Degree Programme Mechanical Engineering/Mechatronics

Annex 4 – Double Degree Programme in Collaboration with the University West (UW) in Trollhättan, Sweden

Sec 1 Area of Applicability of these Subject-specific Examination Regulations

(1) These subject-specific examination regulations govern the subject-specific prerequisites for participation in examinations, the examination requirements and the examination procedure for the Master's degree programme Mechanical Engineering/Mechatronics. Interdisciplinary examination regulations are specified in the General Master's Examination Regulations of the Kaiserslautern University of Applied Sciences (AMPO). The AMPO shall apply unless otherwise provided for in these Regulations. In particular, these contain provisions on the following aspects:

- Purpose of the Master's Examination (Sec 2 AMPO)
- Examination Board (Sec 3 AMPO)
- Examiners and Assessors, Master's Thesis Supervisors (Sec 4 AMPO)
- General Admission Conditions and Admission Procedure (Sec 5 AMPO)
- Types and Forms of Examinations, Module Examination, Deadlines (Sec 6 AMPO)
- Oral Examinations (Sec 7 AMPO), Written Examinations (Sec 8 AMPO), Project Theses (Sec 9 AMPO)
- Master's Thesis and Colloquium (Sec 10 and Sec 11 AMPO)
- Assessment of Examinations and Module Examinations (Sec 12 AMPO)
- Examination Procedure, Credit for Examination and Study Results (Sec 13 – 16 AMPO)
- Scope of Master's Examination, Calculation of Overall Grade, Transcript of Records (Sec 17 and Sec 8 AMPO)

(2) The Annexes listed in the Table of Contents are an integral part of these Subject-specific Examination Regulations.

Sec 2 Type of Degree Programme and Academic Degree

(1) This Master's degree programme is an application-oriented, scientific degree programme leading to a second academic degree that qualifies the graduate for a profession.

(2) Based on the successfully completed Master's examination, the academic degree "Master of Science" (abbreviated: "M. Sc.") is awarded.

(3) If at least 30 ECTS are earned in R&D modules according to Annex 2 and if, in addition, the Master's thesis is research-oriented, the degree programme has been completed in a research-oriented manner; the R&D modules and the Master's thesis should relate to each other in terms of content. The research orientation is indicated on the Master's degree certificate.

(4) The university "University West" (hereinafter referred to as UW) in Trollhättan, Sweden, awards the academic degree "Master of Science in Mechanical Engineering", provided that the requirements for the degree at UW have been fulfilled. Examination and study results achieved at UW shall be recognised for this Master's degree programme according to Annex 4. Students of UW shall receive the degree according to these Subject-specific Examination Regulations under the prerequisites according to Annex 4.

Sec 3 Start of Studies, Regular Duration of Studies, Scope and Structure of Courses Offered, Specialisations

(1) Studies can be started in the winter semester or in the summer semester.

(2) The time frame during which the studies in the Master's degree programme Mechanical Engineering//Mechatronics can generally be completed (regular duration of studies) is three semesters (full-time degree programme). Overall, a total workload corresponding to 90 ECTS (European Credit Transfer System) credits is assigned to this degree programme. Each ECTS credit represents a workload of 30 hours.

(3) The courses offered in the full-time degree programme extend over three semesters. Within the scope of the degree programme, compulsory modules worth 30 credits and compulsory elective modules worth at least 60 credits must be completed. These are listed in Annex 2 or in the module catalogue.

(4) The degree programme offers a specialisation in “Mechanical Engineering” or “Mechatronics”. The specialisation is determined by the assignment number achieved. Each module is assigned assignment numbers for the specialisations “Mechanical Engineering” and “Mechatronics”, according to Annex 2. To determine which specialisation is being studied, the assignment numbers of the completed modules related to the specialisation are added up; the specialisation with the highest sum of the assignment numbers is considered to be selected and is shown in the transcript of records. If the sums determined are equal, the Examination Board shall make the decision; students shall be given the opportunity to state their opinion before a decision is made.

Sec 4 Part-Time Degree Programme

(1) The degree programme can also be studied part-time with a study duration of seven semesters. The workload per semester is 10 ECTS credits for a study duration of 7 semesters, with the exception of the semester for the completion of the Master’s thesis and the colloquium about the Master’s thesis, which is worth 30 ECTS credits. The course of the part-time degree programme is regulated in Annex 1 (Syllabus).

(2) Part-time students attend the same courses and take the same examinations as full-time students. The times for the completion of examinations remain unaffected unless otherwise regulated in these Subject-specific Examination Regulations.

(3) An application for part-time study must be submitted together with the application for the degree programme or once during the course of the study at the latest four weeks prior to the start of the semester in which part-time study is to be undertaken for the first time. Any further application for part-time study is only possible in particularly justified cases (for example, taking care of relatives in need of care, bringing up a child, job). Part-time study is included in the case of a double degree programme (enrolment in more than one degree programme, with the exception of the possibility pursuant to Sec 19 Paragraph 3 HochSchG). A return to full-time study is possible upon application, with the corresponding notice period according to Sentence 1.

Sec 5 Language

(1) The compulsory elective modules and the compulsory modules are taught in German or English, according to how they are presented in the respective current module catalogue; the module name is given in the respective language in which the module is taught.

(2) In exceptional cases, it may happen that, for organisational reasons, the language of instruction of a compulsory elective module is changed at short notice, despite students already having been admitted. In such cases, students shall be offered a new option.

(3) The language of the examination usually corresponds to the language of the module. Students can request the use of the other language until the registration deadline. This shall be recorded in the minutes of the examination. There is no legal entitlement to the use of the language that does not correspond to the language of the modules.

(4) The language of the modules is shown in the Master’s degree transcript of records.

Sec 6 Admission Conditions for the Degree Programme

The admission conditions for this degree programme are governed by the “Admission Regulations for the Master’s Degree Programme Mechanical Engineering/Mechatronics” in Annex 3.

Sec 7 Examination Board

(1) The Examination Board comprises:

1. three professors,
2. one student member and
3. one member of the joint group of staff pursuant to Sec 37 Paragraph 2 Number 3 and Number 4 of the Higher Education Act (HochSchG), insofar as the General Regulations do not make use of Sec 37 Paragraph 2 Sentence 5, 2nd Half-Sentence of the HochSchG.

(2) The Examination Board decides by majority vote. In the event of a tied vote, the presiding member shall cast the deciding vote.

Sec 8 Compulsory Elective Modules, R&D Modules

(1) Students shall complete compulsory elective modules according to Annex 2 worth at least 60 ECTS credits, of which at least 20 ECTS credits must be earned through lecture modules from the module catalogue. The compulsory elective modules of the module catalogue shall be decided on and offered by the Faculty Council; they shall be announced in good time and bindingly in terms of content, scope and examinations, prerequisites to admission to examinations as well as types of examinations; attention shall be paid to a balanced ratio of the different forms of examinations. In particularly justified cases, the Examination Board may decide on deviations from the module catalogue for one semester at a time. The examinations of the compulsory elective modules are exams, with the exception of the module "Praktikum zur Masterarbeit" (Internship for the Master's Thesis).

(2) In cases in which specific prior knowledge is required for successful participation in a compulsory elective module, this shall be indicated in the module catalogue; the respective prerequisites can be found in the descriptions in the module handbook.

(3) Applicants for the Master's degree programme shall indicate the order of priority of the selected modules in their application for admission. The letter of admission shall include the compulsory elective modules with the subject-specific semester selected for these to which the applicants are admitted. Upon enrolment, the choice of compulsory elective modules is considered to be binding.

(4) In exceptional cases, it may happen that a compulsory elective module is not offered at short notice for organisational reasons or due to an insufficient number of participants, despite students already having been admitted. Taking into account the admission requirements, students can then choose another compulsory elective module.

(5) Each compulsory elective module according to the letter of admission may be changed once within the change period upon application, provided no examination has been taken yet in this module and it remains feasible to carry out the module. The new compulsory elective module must correspond in scope to the changed compulsory elective module. A failed compulsory elective module may be replaced once by another compulsory elective module or modules of the same scope within the change period as long as the examination in this compulsory elective module has not been failed without the possibility of appeal. Failed attempts of the changed module shall not be counted towards the newly selected module. The change is irrevocable. The deadline for the application and further details are regulated by the head of the degree programme.

(6) Additionally completed compulsory elective modules can be included in an annex to the transcript of records. A maximum of 10 ECTS credits of compulsory elective modules can be completed as additional achievements.

(7) R&D modules are the R&D module Basic, worth 10 ECTS, and the R&D module Advanced, worth 20 ECTS or 30 ECTS. Only those who have passed the module examination of an R&D module Basic can be admitted to an R&D module Advanced. Only one R&D module can be taken per semester; in total, R&D modules worth a maximum of 40 ECTS can be selected, including a maximum of two R&D modules Basic. The head of the degree programme shall decide in consultation with the supervising examiner whether a project exists as a prerequisite for the selection of an R&D module. The assignment numbers pursuant to Sec 3 Paragraph 4 shall be proposed by the examiner and approved by the head of the degree programme.

Sec 9 Admission Requirements for Examinations, Registration Deadlines

(1) Modules may contain examinations that are prerequisites for admission to examinations. These are shown accordingly in the module catalogue.

(2) Only those who have passed examinations worth at least 30 ECTS shall be admitted to the Master's thesis. The Examination Board may approve exceptions in individual cases if adequate reasons are provided. The semester in which the Master's thesis can be written is specified in Annex 1.

(3) Regarding the registration deadline, full-time students must register for the compulsory module "Masterarbeit und Kolloquium" (Master's Thesis and Colloquium) for the first time in the third subject-specific semester; part-time students must do so for the first time in the seventh subject-specific semester. Examinations are considered failed for the first time if this registration period has been missed by two semesters. The regulations of Sec 14 Paragraph 1 remain unaffected.

Sec 10 Types and Forms of Examinations, Times for Completion

(1) The forms of the examinations to be taken in the compulsory modules and the compulsory elective modules are listed in Annex 2 and in the module catalogue. Possible forms of examinations are those regulated in the AMPO as well as the learning portfolio according to Sec 11 and the combined examination according to Sec 12.

(2) Assignment and submission of the academic achievements and examinations of a compulsory elective module must be done in the same semester. The examiners shall announce the schedule at the beginning of the semester.

(3) Assignments and project theses are graded examinations and are issued, supervised and assessed by examiners acting as supervisors. They must be registered with the Examination Office prior to start. The papers must be submitted to the supervisor by the deadline specified at the time of issue. The specified deadline should not exceed four months after issue. The Examination Board shall decide on any exceptions. Assignments and project theses may be completed in groups, provided the contribution of the individual students that is to be graded can be clearly distinguished and assessed. The individual contributions of the students must be specially marked. In the context of project theses, oral presentations such as presentations, lectures or talks may also be required in addition to the written paper; the assessment shall be carried out by the examiner; in other respects, the regulations for oral examinations shall apply accordingly.

(4) If there are special reasons, the Examination Board can extend the time for completion of the project thesis of an R&D module by up to six weeks upon application. Oral presentations on the project theses of an R&D module shall be held no later than six weeks after submission of the project thesis.

Sec 11 Learning Portfolio

(1) The learning portfolio is one of the competence-oriented forms of examinations in accordance with Sec 6 Paragraph 3 AMPO and serves the personal exploration of the individual learning process, in which the aspired and achieved competence gains are documented and reflected upon in relation to the respective module objectives.

(2) With a learning portfolio, documents or materials on a teaching-relevant topic that demonstrate a student's learning progress and level of achievement are created, resp. collected, documented and self-reflected upon.

(3) The creation of a learning portfolio shall take place under the continuous supervision of a lecturer during the course of the study/semester.

(4) The design and content framework of a learning portfolio is specified by the lecturer.

(5) The reflection on/evaluation of the documents collected or created as part of the learning portfolio can be carried out in terms of content, individually/personally and/or formally.

(6) The assessment of a learning portfolio shall be done according to the criteria specified in advance by the lecturer. These criteria shall be announced to the students at the beginning of the course.

Sec 12 Combined Examination

(1) Combined examinations are among the competence-oriented forms of examinations. They serve to achieve theoretical and practical competences and integrate these in terms of content in order to learn subject-specific and context-related skills and abilities in the respective module.

(2) The selection of the form of an examination element shall be made depending on the form of the respective course.

(3) Combined examinations consist of one theoretical and one practical examination element each. If one examination element is failed, it can be retaken individually.

(4) For the theoretical examination element, written examinations, assignments or oral examinations can be used; forms of the practical examination element can be practical tasks, lab reports, experiment protocols, model development, programming exercises, attestations or case studies as well as presentations in fields related to communication and presentation skills. If the form cannot be conclusively determined from Annex 2 or from the module catalogue, it shall be announced at the latest by the beginning of the course.

(5) Examination elements shall be assessed with "pass", "fail" or grades, according to Annex 2 or the module catalogue. The grade of the combined examination shall be calculated from the graded examination element. If grades are awarded for each examination element, the grade of the combined examination shall be calculated like a module grade (Sec 12 Paragraph 4 AMPO) according to the information about the weighting in Annex 2 or in the module catalogue.

(5) The time for completion and the scope of the individual examination elements must be included in the overall workload of the module and must correspond to the designated ECTS credits of the module. There must be a good balance between the time for completion and the scope of the work.

(6) Retaking of examination elements shall be regulated in accordance with the examinations pursuant to Sec 15 AMPO.

Sec 13 Internship for Master's Thesis

(1) Students can take an internship for the Master's thesis before starting their Master's thesis. In this internship, the student shall spend at least 50 days of physical presence (without holidays or other absences) in a company.

(2) The internship for the Master's thesis is a voluntary, ungraded academic achievement and must be registered before it starts. It can be included as an additional achievement in an annex to the transcript of records.

(3) The internship shall be documented by a detailed report. At a final event, the students shall give a presentation of their work, usually lasting 20 minutes.

(4) Before the internship starts, the students need a supervising lecturer in accordance with Sec 4 Paragraph 2 AMPO. The supervising lecturer shall evaluate the internship and determine the result.

Sec 14 Registration, Withdrawal and Retaking of Examinations

(1) For the examinations of the compulsory elective modules selected as binding in accordance with Sec 8, students shall be registered for the examinations in the relevant subject-specific semester for the first time by the Examination Office. Regulations on withdrawal or switching remain unaffected.

(2) If an examination was failed or is deemed to have been failed, the retake examination must take place at the latest during the examination dates of the semester after next; if this deadline is missed, the examination thus missed shall be deemed to have been failed.

Sec 15 Mobility Module

(1) Students can replace the required modules of one semester with corresponding periods of time spent at a higher education institution abroad and earn achievements worth 30 or 20 ECTS credits as part of a mobility module according to Annex 2. A "Learning Agreement" must be agreed in advance for the mobility module; the Examination Board shall appoint two professors for this purpose. If the required 30 ECTS credits for a mobility module have not been earned during the stay at the higher education institution abroad, but more than 20 ECTS credits have been earned, the Examination Board may determine

achievements to be earned at Kaiserslautern University of Applied Sciences with which the mobility module can still be completed. This also applies to a mobility module with 20 ECTS credits for which less than 20, but at least 10 ECTS credits have been earned. In both cases, the originally required total number of 30 or 20 ECTS credits can be exceeded by the selection of the achievement to be completed. The grade of the mobility module shall be calculated from the grades of the achievements completed as part of the mobility module, weighted according to the assigned ECTS credits, in accordance with Sec 12 Paragraph 4 AMPO.

(2) The mobility module can be selected from the second subject-specific semester onwards and can be taken once during the course of study, provided that it was not already taken as part of the course of study at UW. Deviating from this, an earlier choice can be permitted by the Examination Board in particularly justified cases. The persons appointed by the Examination Board (Paragraph (1)) shall determine the assignment number pursuant to Sec 3 Paragraph 4 on the basis of the selected and completed achievements.

(3) As part of the mobility module, research-oriented achievements can also be completed in accordance with the requirements of research modules pursuant to Sec 7 Paragraph 5. This shall be agreed in the "Learning Agreement". Research-oriented achievements shall be taken into account to the extent performed for determining whether the degree programme was completed in a research-oriented manner (Sec 2 Paragraph 3).

Sec 16 Master's Thesis and Colloquium about the Master's Thesis

(1) The Master's thesis must be registered at the Examination Office before it is started. Admission can only be granted if the requirements according to Sec 9 Paragraph 2 are fulfilled. The time for completion of the Master's thesis is six months. In justified exceptional cases, the deadline may be extended by the Examination Board by up to six weeks. In the case of part-time study, the time for completion may be increased upon application in accordance with Sec 10 Paragraph 3 Sentence 4 AMPO to a maximum of nine months, in addition to the possibility of extension stipulated in Sec 10 Paragraph 3 Sentence 3 AMPO. The application must be made before the start of the Master's thesis once the justifying circumstances are known. The assignment numbers for the module "Masterarbeit und Kolloquium" (Master's Thesis and Colloquium) shall be proposed by the supervising examiner for the individual case and approved by the head of the degree programme.

(2) The head of the degree programme shall make a decision on the research orientation of the Master's thesis in consultation with the supervising examiner.

(3) Master's theses written as group work may be permitted, provided the contribution of the individual students that is to be graded can be clearly distinguished and assessed and provided the stipulations pursuant to Sec 10 Paragraph 1 AMPO are fulfilled.

(4) The Master's thesis shall be submitted to the supervisor in single bound form and in electronic form by the deadline. The Examination Office shall be notified of the submission accordingly.

(5) In the colloquium, the students shall present their Master's thesis in a 30-minute presentation. This shall be followed by a 15-minute questioning about the topic of the Master's thesis. The colloquium should be completed no later than six weeks after submission of the Master's thesis and must be registered no later than one week before the agreed date.

Sec 17 Module Grade, Calculation of Overall Grade and Transcript of Records

(1) The module grades shall be calculated on the basis of the grades of all examinations of a module, weighted according to ECTS credits, unless explicitly stated otherwise elsewhere. The weighting for the calculation of the overall grade pursuant to Sec 18 Paragraph 1 AMPO shall be carried out according to the ECTS credits of the modules for the module examinations, insofar as these comprise at least one examination.

(2) For grades of "1.2" or better, the overall grade "passed with distinction" shall be awarded.

Sec 18 Area of Applicability, Effective Date, Expiration Date, Transitional Regulations

(1) These Subject-specific Examination Regulations shall apply to students enrolled in the Master's degree programme Mechanical Engineering/Mechatronics starting from the winter semester 2021/2022.

(2) They shall become effective the day following their publication in the *Hochschulanzeiger* of the Kaiserslautern University of Applied Sciences. At the same time, the Subject-specific Examination Regulations for the Master's degree programme Mechanical Engineering/Mechatronics at the Kaiserslautern University of Applied Sciences dated 09 August 2016 (*Hochschulanzeiger* No. 31 dated 31 August 2016, p. 2), last amended by the Regulations dated 06 July 2018 (*Hochschulanzeiger* No. 44 dated 31 July 2018, p. 8) shall expire.

(3) Students who are pursuing their studies at Kaiserslautern University of Applied Sciences in a degree programme pursuant to the Subject-specific Examination Regulations named in Paragraph 2 shall have the opportunity to finish their studies in accordance with their Subject-specific Examination Regulations up to and including the winter semester 2023/2024. Students studying on a part-time basis can apply to the Examination Board for a corresponding extension. In deviation from the regulations of the existing Subject-specific Examination Regulations, the Examination Board can, in particularly justified exceptions, decide that a module for which no equivalent courses and, if applicable, no equivalent examinations can be offered after the last regular course offering can be fulfilled by completing another module; in addition, the Examination Office can decide on forms of examination that deviate from the Subject-specific Examination Regulations, of which the students shall be informed at the beginning of the course.

(4) Upon application, students may transfer to these Subject-specific Examination Regulations in the most recent version applicable for the respective semester and continue and complete their studies according to the stipulations of these Subject-specific Examination Regulations. The application is irrevocable. After the end of the semester specified in Sentence 1, the continuation of the degree programme by renewal of enrolment in the relevant degree programme shall be governed by the most recent Subject-specific Examination Regulations applicable for the following semester, unless otherwise specified elsewhere.

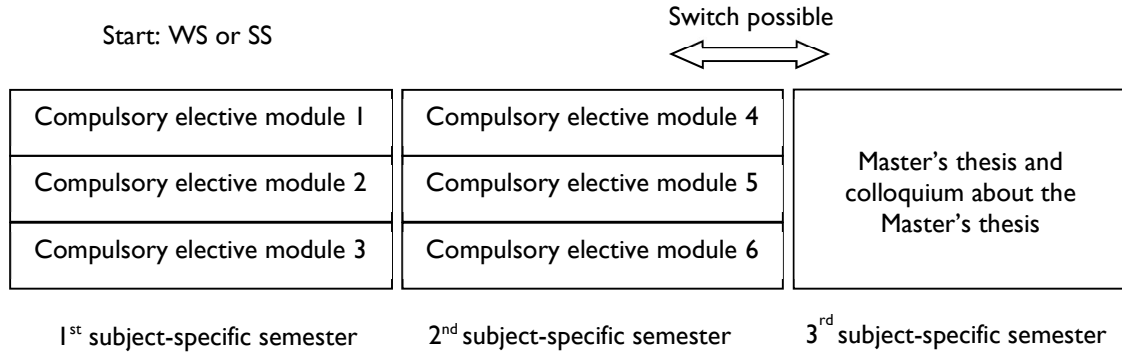
(5) The transfer to these Subject-specific Examination Regulations and enrolment in the degree programme named in Paragraph 1 in a higher subject-specific semester can only be approved if the course offer for the corresponding higher subject-specific semester is guaranteed. In exceptional cases, the Examination Board may approve enrolment in accordance with the regulations of the Subject-specific Examination Regulations specified in Paragraph 2. In the case of a transfer to these Subject-specific Examination Regulations, students shall be given credit for examinations and academic achievements already completed in accordance with Sec 16 AMPO; failed examination attempts shall be counted as failed attempts on identical examinations of these Subject-specific Examination Regulations. Further details of the transition shall be determined by the Examination Board.

Kaiserslautern, 26 May 2021

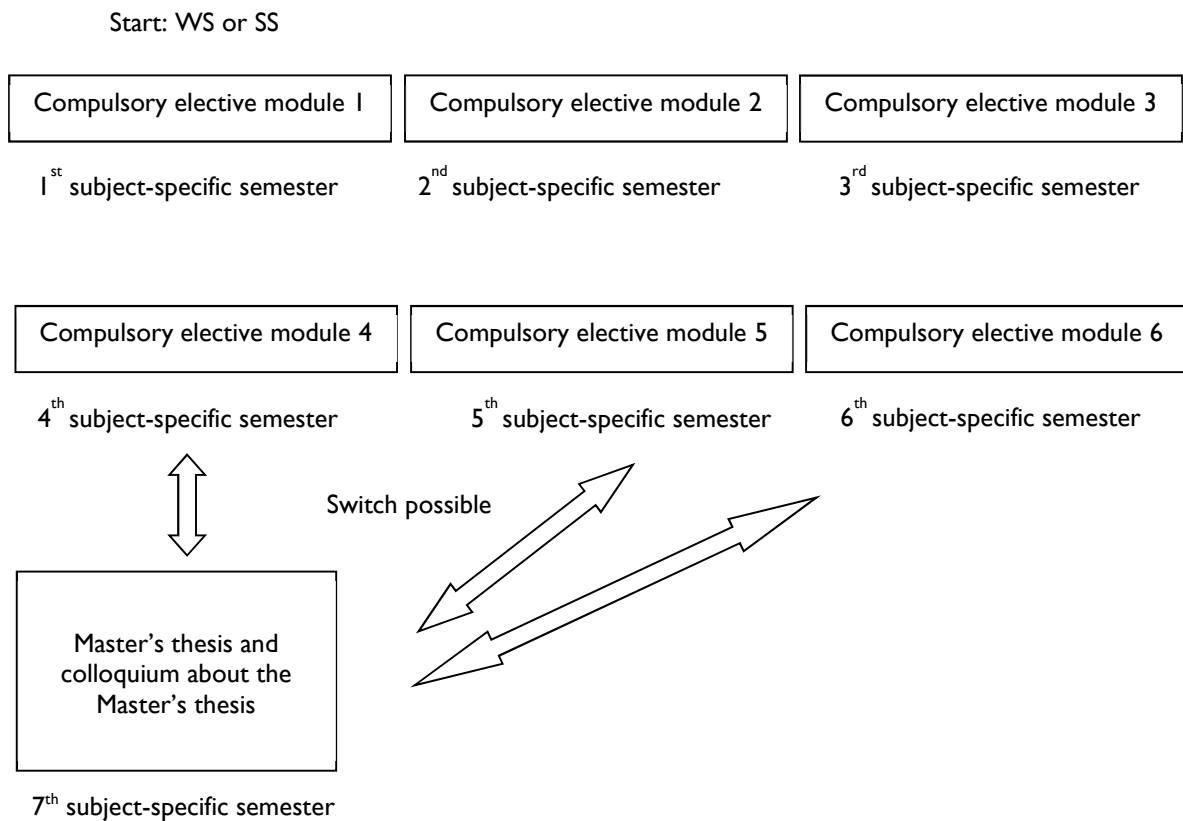
Prof. Dr Thomas Reiner
Dean of the Faculty of
Applied Engineering Sciences
Kaiserslautern University of Applied Sciences

Annex 1 – Syllabi

The Master’s degree programme consists of three semesters with a workload of 30 ECTS credits each. Part-time study is possible in seven semesters with a workload of 10 ECTS credits per semester (exception: Master’s thesis with 30 ECTS), as shown below.



Tab. 1 Syllabus for Master’s degree programme Mechanical Engineering/Mechatronics



Tab. 2 Syllabus for part-time degree programme

Abbreviations:

- ECTS credits Credits according to the European Credit Transfer System
- SS Summer semester
- WS Winter semester

Annex 2 – Compulsory Module and Compulsory Elective Modules

Module	ECTS	Type of Examination	Semester		Assignment	
			Winter	Summer	ME	MT
Compulsory Module	30					
Master's Thesis and Colloquium ^{1,6}	30	EX/MT ⁴ EX/COL ⁴	X	X	Sec 16 (1)	
Compulsory Elective Modules/Lecture Modules	60					
Lecture modules according to module catalogue ² / Compulsory elective modules according to module catalogue ²	10	EX/acc. to module catalogue	X	X	Acc. to module catalogue	
Other Compulsory Elective Modules						
Mobility module (semester)	30	EX/acc. to Learning Agreement	X	X	Sec 15 (2)	
Mobility module (trimester)	20	EX/acc. to Learning Agreement	X	X	Sec 15 (2)	
R&D module Basic ³	10	EX/P	X	X	Sec 8 (7)	
R&D module Advanced ³	20	EX/P	X	X	Sec 8 (7)	
R&D module Advanced ³	30	EX/P	X	X	Sec 8 (7)	
Supplementary studies ⁵	10	EX/acc. to module catalogue	X	X		

1) can also be completed in a research-oriented manner

2) minimum 20 ECTS credits, see Sec 8 Paragraph 1

3) see regulations on R&D modules in Sec 8 Paragraph 7

4) The following workload distribution applies: Master's thesis 24 ECTS credits, Colloquium 6 ECTS credits; the module grade is determined weighted according to the ECTS credits.

5) This module can only be selected once during the course of the studies.

6) In the R&D module Advanced, the proof of participation in the course "Einführung in das Thema Forschungsanträge und Fördermittel" (Introduction to the Topic of Research Proposals and Funding) is included as a required course credit; in the module Master's Thesis with Colloquium, this applies accordingly to the proof of participation in the courses "Literatur- und Patentrecherche" (Literature and Patent Research) as well as "Zitieren und Plagiate vermeiden" (Citing and Avoiding Plagiarism).

Legend:

(COL) Colloquium about the Master's thesis, (MT) Master's thesis, (P) Project thesis, (EX) Examination, (ME) Mechanical Engineering, (MT) Mechatronics, (ECTS) ECTS credits according to the European Credit Transfer System

Tab. 3 Compulsory and compulsory elective modules, semester assignment and subject assignment ("assignment number"). The module name corresponds to the language of instruction.

Annex 3 – Admission Regulations for the Master’s Degree Programme Mechanical Engineering/Mechatronics

Content:

- Sec 1 Special Admission Requirements
- Sec 2 Application for Admission, Application Deadline
- Sec 3 Assessment Procedure
- Sec 4 Admission

Sec 1 Special Admission Requirements (Application Documents)

(1) The prerequisites for admission to the Master’s degree programme Mechanical Engineering/Mechatronics are proof of the completion of a university degree in mechanical engineering, mechatronics or industrial engineering with specialisation in mechanical engineering that qualifies the graduate for a professional career, with 210 ECTS and a grade of at least 2.8 or better, and evidence of aptitude.

(2) The Examination Board can conditionally admit study applicants who have fewer than 210 ECTS, but at least 180 ECTS. These conditions can be fulfilled, for example, through credit awarded for additional Bachelor’s modules, extracurricular studies abroad, relevant professional experience or the successful completion of modules from Bachelor’s degree programmes of Kaiserslautern University of Applied Sciences. The Examination Board shall inform the admitted applicant in writing about the conditions prior to the start of the Master’s studies. The conditions can be fulfilled prior to or during the study of the Master’s degree modules. All requirements must be fulfilled at the latest by the time the Master’s thesis is registered.

(3) Subject to the application of Sec 5 Paragraph 1 Sentences 2 to 5 AMPO, admission to the degree programme prior to completion of a Bachelor’s degree programme is also possible prior to completion of a higher education degree that qualifies the graduate for a professional career, as per Paragraph (1). The total number of credits not yet earned in the Bachelor’s degree programme may amount to up to 30 ECTS credits. For applicants who provide evidence of a higher education degree that qualifies them for a profession with less than 210 ECTS according to Paragraph (2), Sentences 1 and 2 shall only apply if the missing achievements have already been completed and only the results are still pending.

(4) An application for the Master’s degree programme may also be submitted by those who have earned a higher education degree in another degree programme that qualifies them for a profession and for which equivalence has been established. In this case, conditions may be set for fulfilling the admission requirements in accordance with Paragraph (2). The persons appointed in accordance with Sec 3 Paragraph 1 of this Annex shall be responsible for determining equivalence.

(5) An applicant’s aptitude for the Master’s degree programme shall be determined by the assessment procedure specified in Sec 4 of this Annex. It shall be determined on the basis of the applicant’s professional and personal aptitude. An applicant’s professional aptitude shall be proven by means of relevant, good professional knowledge and skills. An applicant’s personal aptitude shall be demonstrated by a strong interest in the Master’s degree programme Mechanical Engineering/Mechatronics, a correspondingly high motivation and outstanding commitment, and shall be documented by a written presentation of the applicant’s personal history and professional career (e.g., outlining internships, experience or studies abroad, professional or practical experience) and the reasons for intending to take up the degree programme and the objectives pursued thereby.

(6) All applicants whose native language is not German need to have German language skills, at least level A2 according to the “Common European Framework of Reference for Languages” (CEFR), at the time of the application. Applicants whose native language is not English need to have good English language skills the latest at the time of application, at least level B2 according to the “Common European Framework of Reference for Languages” (CEFR), TOEIC Listening 400 and Reading 385, TOEIC Speaking 160 and Writing 150, TOEFL iBT 87, TOEFL ITP 543, IELTS 6.0 or an equivalent level. Together with their application, applicants must submit certificates of recognised language tests as proof, which must not be older than 24 months. Applicants for German-language modules whose native language is not German must orally demonstrate to the head of the degree programme no later than at the start of the module that they have achieved very good German skills at level C1 according to the “Common European Framework of Reference for Languages” (CEFR), TestDaf-4, DSH-2 or equivalent.

(7) The Examination Board may admit applicants who demonstrate only a lower level of language proficiency, subject to certain conditions. These conditions can be fulfilled by successfully passing the

recognised language tests specified in Paragraph (6). The Examination Board shall inform the admitted student in writing about the conditions prior to the start of the Master's degree programme. All conditions must be fulfilled at the latest by the start of lectures of the module offered in the language concerned.

Sec 2 Application for Admission, Application Deadline

(1) The provisions of the Regulations on the Enrolment of Students at Kaiserslautern University of Applied Sciences (Enrolment Regulations) in their currently valid version shall apply to the application for admission and the application deadline. In addition to the documents listed in the Enrolment Regulations, the following documents in German or English must also be enclosed with the application for admission to the Master's degree programme Mechanical Engineering/Mechatronics:

- Certified proof of the special admission requirements according to Sec 1 of this Annex
- Description of the personal history and professional career (curriculum vitae in tabular form) according to Sec 1 Paragraph 5 of this Annex
- Proof of the duration of studies in all degree programmes completed or taken to date and number of ECTS credits earned, or other proof of knowledge and skills
- Written statement on the reasons for taking up this degree programme and the objectives pursued with this degree programme in accordance with Sec 1 Paragraph 5 of this Annex
- Recognised evidence of language competence in the languages of the selected modules in accordance with Sec 1 Paragraph 6 of this Annex, if required
- Recent photograph

(2) Applicants shall indicate the priority order of the compulsory elective modules according to Sec 8 in their application for admission.

(3) Applications for the winter semester must be submitted by 31 May for that year, those for the summer semester by 01 December for the next year. The Examination Board shall announce any deviations in an appropriate form.

Sec 3 Assessment Procedure

(1) The Examination Board shall appoint at least two professors from the Bachelor's or Master's degree programmes Mechanical Engineering and Mechatronics for the assessment of the application documents.

(2) The degree of aptitude shall be determined by means of a point system. The points for the professional and personal aptitude shall be awarded as shown below:

	Assessment categories	Rating	Minimum rating required for admission
Professional aptitude according to Sec 1 Paragraph 5	Grade of undergraduate degree with consideration of the ECTS grade	0 – 8 points	1 point
Personal aptitude according to Sec 1 Paragraph 5	Presentation of personal history and professional career	0 – 3 points	1 point
	Motivational letter	0 – 3 points	1 point

Tab. 5 Point system for the assessment of application documents

(3) A maximum of 14 points can be achieved in the assessment procedure. Applicants who have achieved a total of 7 points or more according to Paragraph (2), with at least 1 point in each assessment category, fulfil the admission requirement of aptitude for the Master's degree programme according to Sec 1 Paragraph 1 of this Annex.

Annex 4 – Double Degree Programme in Collaboration with the University West (UW) in Trollhättan, Sweden

As part of the collaboration of Kaiserslautern University of Applied Sciences and “University West” (hereinafter referred to as UW) in Trollhättan, Sweden, students of the two universities are given the opportunity to obtain academic degrees from both universities. This shall be done in accordance with Sec 2 Paragraph 4 and the following regulations:

1. Students who start their studies at Kaiserslautern University of Applied Sciences can complete achievements at UW as follows in order to have these recognised for their degree programme at Kaiserslautern University of Applied Sciences and to enable them to obtain their degree at UW:

- a) Students must meet the requirements for admission to the Master’s degree programme Mechanical Engineering (60 or 120 ECTS) at UW. A joint committee set up by the respective departments of the two universities shall determine the selection procedure and the possibility of participation in the exchange programme.
- b) The achievements at UW shall be completed as part of the mobility module according to Sec 15. They shall be selected from the module catalogue currently agreed with UW and shall be specified accordingly in a Learning Agreement. The assignment numbers of the achievements shall be specified in the agreed module catalogue. The grade of the mobility module shall be calculated according to Sec 15.
- c) Achievements completed at UW that exceed 30 ECTS may be included as additionally completed achievements in an annex to the transcript of records.
- d) The Master’s thesis shall be written entirely in English and principally in accordance with the regulations of these Subject-specific Examination Regulations, with one of the two required assessments to be carried out by an examiner of UW. The assignment number and a research orientation shall be determined in accordance with the regulations of these Subject-specific Examination Regulations. The colloquium about the Master’s thesis shall be conducted with the participation of the examiner of UW.
- e) Conversion of the grades shall be carried out according to the table under Item 3 of this Annex.

2. Students of UW shall be awarded the degree in the Master’s degree programme Mechanical Engineering/Mechatronics according to these Subject-specific Examination Regulations under the following conditions:

- a) In addition to the requirements for admission to the Master’s degree programme Mechanical Engineering/Mechatronics at Kaiserslautern University of Applied Sciences, enrolment in the Master’s degree programme Mechanical Engineering offered at UW worth 120 ECTS credits is required. A joint committee set up by the respective departments of the two universities shall determine the selection procedure and the possibility of participation in the exchange programme.
- b) Proof of German language skills shall be waived.
- c) Students shall complete achievements worth 30 ECTS at Kaiserslautern University of Applied Sciences. The modules shall be chosen according to the regulations at UW.
- d) Achievements worth 30 ECTS completed by the students at UW shall be earned for the degree as part of the mobility module according to Sec 15 and shall thus be included in the calculation of the overall grade.
- e) The Master’s thesis shall be written entirely in English. One of the two required assessments shall be carried out by an examiner from Kaiserslautern University of Applied Sciences. The assignment number and a research orientation shall be determined in accordance with the regulations of these Subject-specific Examination Regulations; in all other respects, the corresponding regulations at UW shall apply, in particular regarding admission to the Master’s thesis and retake possibilities. The colloquium about the Master’s thesis shall be conducted with the participation of the examiner of Kaiserslautern University of Applied Sciences.
- f) Conversion of the grades shall be carried out according to the table under Item 3 of this Annex.

3. The grades shall be converted as follows:

Grade at University West	Grade at Kaiserslautern University of Applied Sciences	Description
	1.0	Passed
	1.3	
	1.7	
	2.0	
	2.3	

	2.7	
	3.0	
	3.3	
	3.7	
	4.0	
	5.0	Failed

4. Unless otherwise stipulated in this Annex, enrolment and completion of achievements shall be governed by the legal regulations of the university at which they take place.