

**Dean's Directive of FT TUL No. 2/2026****Organization of Studies in the Doctoral Study Programme Textile Engineering
P0723D270002 and the Doctoral Study Programme INDUSTRIAL ENGINEERING
P0723D270001**

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PART I

Article 1

Introductory Provisions

Pursuant to Section 47 of Act No. 111/1998 Coll., on Higher Education Institutions (hereinafter the “Act”), and Articles 18 and 19(1) of the Study and Examination Regulations of the Technical University of Liberec (hereinafter the “TUL Study and Examination Regulations”), these rules govern the organization and course of study, assessment of studies, and the state final examination in doctoral study programmes at the Faculty of Textile Engineering for students commencing their studies in the 2026/2027 academic year.

Article 2

Forms of Study and Scholarships

- (1) Study in a doctoral study program (hereinafter the “DSP”) is carried out in full-time or combined form. It follows an individual study plan (hereinafter the “ISP”).
- (2) The DSP training workplaces are the faculty departments and institutions with which an agreement on participation in the implementation of studies has been concluded.
- (3) Full-time study takes place at the training workplace, which organizes the activities and presence at the workplace of the DSP student (hereinafter the “student”).
- (4) The combined study takes place predominantly outside the training workplace, with the organization of studies and obligations requiring presence at the workplace agreed individually.
- (5) Students studying in the full-time form within the standard period of study may be awarded a doctoral scholarship in accordance with the TUL Scholarship Regulations and the relevant Dean’s Directive.
- (6) Students in both full-time and combined forms may be paid scholarships in accordance with the TUL Scholarship Regulations and the relevant Dean’s Directive.

Article 3

Standard Duration of Study and Interruption of Studies

- (1) The standard period of study is four years for both full-time and combined forms of study.
- (2) A student may apply for an interruption of studies. The period and conditions of interruption are determined by the TUL Study and Examination Regulations. The Dean of the Faculty authorizes interruption of studies and determines the conditions and duration of the interruption in their decision. The total period of all interruptions may not exceed two years.
- (3) During an interruption of studies, the person is not a student. After the period for which the studies were interrupted has elapsed, the person has the right to re-enrol in the studies. The student may request confirmation of facts related to the interruption of studies.
- (4) The deadline for taking the state final examination in all forms of study is no later than six years from enrolment in the studies, unless the Dean determines otherwise in exceptional cases. The period of interruption of studies is not included in this period.

Article 4

Study Obligations

- (1) In accordance with Article 18 of the TUL Study and Examination Regulations, study in the doctoral study program follows the ISP. The ISP is updated by annual study plans (hereinafter the “RSP”).



- (2) The ISP specifies the courses and their sequence in terms of time and content, the method of assessing the study results of the doctoral student in accordance with the study programme, teaching activities (determined by the head of the department), the topic of scientific research or creative activity in research and development, the framework definition of the topic as the basis of the doctoral dissertation, and any study and practical internship at other workplaces, including abroad. The ISP is prepared by the supervisor in agreement with the doctoral student. The supervisor submits the ISP to the branch board for approval no later than one month after the start of studies ([Form – Individual Study Plan for a DSP student](#)). Once approved, the ISP is mandatory. The ISP is approved by the branch board (OR).
- (3) To fulfil the study component, students take examinations in five study areas. When preparing the ISP, it is recommended to retain the stated order of courses. In study areas I to III, students select at least one of the listed sub-areas. The allocation of accredited courses to the study areas is given in Annex No. 1. The number of examinations may be higher if deeper or broader knowledge is required.

TEXTILE ENGINEERING

I. NATURAL SCIENCE BASIS:

- numerical and applied mathematics
- probability theory and mathematical statistics.

II. APPLIED BASIS:

- selected topics in applied chemistry,
- selected topics in applied physics,
- applied mechanics

III. FUNDAMENTALS OF THE FIELD:

- textile materials,
- textile technologies,
- metrology.

IV. SPECIALIZATION IN THE FIELD

The student primarily selects from the accredited courses offered in the TUL doctoral study programs. Based on a proposal by the supervisor, approved by the field board, the Dean of the Faculty determines the course content so that it relates to the assigned topic of the doctoral dissertation. The ISP specifies the basic requirements for this examination for the doctoral student (examination topic, recommended study literature, if applicable, and other requirements) and the topic of a written study, which is usually related to the content of the doctoral dissertation. The study is approximately 20 standard pages long. The study is made available to the examination committee at least 14 days before the examination.

V. EXPERIMENTAL TECHNIQUES IN THE FIELD

Based on a proposal by the supervisor approved by the branch board, the Dean of the Faculty determines the course content so that it relates to the assigned topic of the doctoral dissertation, and the course is linked to completion of an internship, generally outside the home university. Further specifications are given in Article 6 of this Directive.

INDUSTRIAL ENGINEERING

I. SCIENTIFIC BASIS:

- selected topics in numerical and applied mathematics,
- probability theory and mathematical statistics,
- modelling of complex systems

II. APPLIED BASIS:

- selected topics in quality management,
- metrology,
- quality assessment.

III. FUNDAMENTALS OF THE FIELD:

- selected topics in materials engineering,
- textile materials,
- textile technologies.



- (4) The subjects of the individual fields of study, their content, and the recommended study literature are listed in the STAG Information System and, in outline form, in Annex 1 to this directive.
- (5) Students may also choose other subjects depending on the focus of their dissertation. These subjects may be selected only from those accredited in other doctoral study programs.
- (6) Students prepare for the exam in consultation with the subject guarantor by attending lectures or seminars, or by studying independently with individual consultations.
- (7) Examinations are held before a committee appointed by the Dean on the recommendation of the supervisor. The examination committee consists of at least three members. The examination is conducted by the subject supervisor in the presence of the supervisor, a member of the Academic Board, and, where applicable, other experts. ([Form - Proposed composition of the examination committee](#)). A record is made of the examination result. ([Form – Registration of the doctoral examination](#))
- (8) When fulfilling study obligations, students must meet the standard study duration. Successful completion of the academic part is defined as passing at least three examinations within 24 months of the program start and fulfilling additional academic and other obligations in accordance with the ISP. In the event of failure to fulfill academic obligations without serious reasons, the program is terminated in accordance with Section 56(1)(b) of the Act and Article 33(2) of the TUL Study Regulations.
- (9) Every year, by 15 September of the calendar year at the latest, students submit their annual assessment ([Form – DSP Student Annual Assessment](#)) and submit an update to the ISP using the standard form - [Form - DSP Student Annual Study Plan](#), hereinafter referred to as 'ASP'.
- (10) The annual assessment of a PhD student, prepared by the student, the supervisor, and the head of the department, and supplemented by the Student's Affairs Office, is discussed by the subject area board, which then submits it to the dean.
- (11) Progress in meeting study requirements is typically evaluated on a semester-by-semester basis during colloquia organized for this purpose. The colloquium consists of a presentation of the DSP student's findings, followed by a scholarly discussion.
- (12) In the third year of study, after successfully completing the examinations and with the doctoral dissertation sufficiently developed, the student registers for the professional discussion. It consists of two parts. The first part is a presentation of the doctoral dissertation, and the second part is a professional discussion that verifies the student's professional knowledge related to the topic of the doctoral dissertation.
- (13) The student submits an application for the professional discussion on the prescribed form to the Student's Affairs Office ([Form – Application for the Professional Discussion](#)). The Student's Affairs Office arranges and publishes the date of the professional discussion. An integral part of the application is the written doctoral dissertation theses in the prescribed structure and format available on the website ([Template – Doctoral Dissertation Theses](#)).
- (14) The Dean appoints the committee for the professional discussion upon the branch board's proposal. The committee consists of a chair, a vice-chair, and at least three other members. Neither the supervisor nor the consultant is a member of the committee for the professional discussion.
- (15) Following the conclusion of the professional consultation, the student completes the doctoral dissertation.



- (16) Following the successful completion of the professional discussion and the submission of their dissertation, the student is required to apply for registration for the final state examination. A necessary requirement for registration is the fulfillment of all obligations outlined in the student's Individual Study Plan (ISP).
- (17) At least once a year, a doctoral student reports to a committee appointed by the head of the department on the results of their creative work and the progress of their doctoral thesis.

Article 5

Research and Publication Activities

- (1) The doctoral dissertation must contain original research results. The doctoral dissertation is the result of a specific scientific task, meaning the student's participation in external or internal research projects of the department related to the topic of the doctoral dissertation.
- (2) The doctoral dissertation also includes published original results of the student's research activities in accordance with Article 23(3)(d) of the TUL Study and Examination Regulations, particularly in peer-reviewed scientific journals. The student consults publications with their supervisor.
- (3) Students primarily present the results of their doctoral research in journals, at student research conferences, and at international conferences. The minimum publication requirement (in terms of original findings) for submitting an application to defend a doctoral thesis is three publications that meet the criteria for inclusion in the Research, Development and Innovation Information System (RIV). Of these, at least one must be a publication in a scientific impact-rated or peer-reviewed journal in which the student is the lead author.
- (4) Students are required to record their publications and other creative work in the information system publikace.tul.cz.

Article 6

Teaching Activities

- (1) Teaching activities are usually also part of the study requirements and are specified in the ISP. As part of their teaching practice, students conduct practical classes under the supervision of professional guarantors or teachers, usually for 4 hours (two teaching blocks) per week.
- (2) The student participates in consultations on semester, bachelor's and master's theses of bachelor's and master's students.
- (3) The form of teaching activities is proposed by the supervisor in agreement with the head of the department.
- (4) When it is not possible to provide the minimum required level of practical training to a student, it is replaced by another activity of the same scope related to the department's work. The student lists the activities carried out in their annual assessment.

Article 7

Internship and International Mobility

- (1) As part of fulfilling the study requirements, during the standard period of study, the student must complete a six-month internship, generally outside TUL, at another university, a scientific-research institution, or a partner workplace, preferably abroad, for example, within Erasmus+ or bilateral agreements between the Faculty and other foreign workplaces. The internship may be divided into several shorter stays.

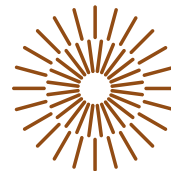


- (2) The student discusses the focus, implementation, and administration of the internship with the supervisor, Student's Affair Office, and, if applicable, the TUL International Office or Erasmus+ office. They then submit the internship's thematic classification and date for approval in the ISP. Additionally, the student provides details about the internship—such as the topic, objectives, organizational arrangements, and funding method—for approval within the ASP.
- (3) Before departure, the following must be submitted:
 - a) the thematic focus of the internship, including a work schedule and planned outputs,
 - b) confirmation of acceptance for the internship by the host organization,
 - c) the method of implementation and financing (departure and arrival dates, calculation of financial costs).
- (4) After return, the following must be submitted:
 - a) confirmation of completion of the internship from the host institution,
 - b) a partial travel report if this constitutes partial fulfilment of the six-month internship.
- (5) Presentation of internship outputs – the output is a report describing the course of the internship, including the experimental results obtained and their processing as part of the doctoral dissertation work, and the benefits of newly acquired knowledge and experience for the student (recommended length: 20 pages). The report may be replaced by a manuscript in which the student is listed as the first author and which is ready for submission. The report is made available to the examination committee at least 14 days before the EXPERIMENTAL TECHNIQUES IN THE FIELD examination, at which the student presents and defends the results obtained. The student submits the material to the Student's Affair Office in the required number of copies and in electronic form, and the Student's Affair Office forwards it to the committee.

Article 8

Obligations of Doctoral Students in the Full-Time Form of Study

- (1) Students are required to fulfil their academic obligations in collaboration with their supervisor, or where applicable, their consultant, and the head of the department.
- (2) Students in the doctoral programme take part in seminars organised for this programme, conferences and other academic events to deepen their theoretical knowledge in their chosen field of study
- (3) The full-time study program within the DSP is conducted at the department, which ensures the implementation of the student's individualized study plan and coordinates their activities and attendance. Students enrolled for the standard duration of the program are required to be present at TUL for a minimum of 30 hours per week, as established in advance by the department head in conjunction with the supervisor.
- (4) The student is required to notify both the supervisor and the head of department in advance regarding any short-term absences from the department, utilizing electronic mail.
- (5) If the student plans to travel for more than 1 week (for a conference, internship, or departure for holidays according to the academic calendar), they shall inform the supervisor, the head of the department, and the Student's Affairs Office in writing (preferably by email).



PART II

Article 9

Colloquium

- (1) The colloquium consists of a presentation of the DSP student's results followed by a professional discussion. The relevant Vice-Dean responsible for the course oversees its organization. A record of the colloquium is kept, which is used to approve this requirement within the ISP.
- (2) Members of the professional panel of the colloquium are the supervisor, the head of the department, a member of the branch board as recommended by the chair of the OR, the relevant Vice-Dean, and where applicable, other members of the professional community.

Article 10

Professional Discussion

- (1) After fulfilling the study requirements set forth in Article 4 of this Directive, the DSP student submits an application for the professional discussion, along with the supervisor's statement, to the Student's Affairs Office. The student also attaches the doctoral dissertation theses to the application ([Template – Dissertation Theses](#)). Theses primarily consist of a summary and assessment of the findings within the field of study, a list of the student's own related works, and a structured professional CV.
- (2) The Dean decides to hold the professional discussion on the basis of the OR's opinion. It generally takes place within 90 days of the application's submission date.
- (3) The Dean's decision is communicated to the chair of the OR, the supervisor and the DSP student, including reasons for any negative opinion, within 30 days of the date of submission of the application.
- (4) The professional discussion is public and takes place before a committee. The assessment is not open to the public.
- (5) The committee for the professional discussion consists of a chair, a vice-chair and at least three other members. At least one committee member must be a person outside the TUL academic community. Neither the supervisor nor the consultant is a member of the committee. The Dean appoints the chair, vice-chair and other committee members upon the proposal of the OR.
- (6) The committee possesses a quorum when more than half of all committee members are present.
- (7) The professional discussion is oral and consists of two parts. In the first part, the student reports on the results achieved to date and the current state of progress of the doctoral dissertation; in the second part, a discussion takes place in which the student demonstrates knowledge of the professional issues related to the topic of the doctoral dissertation..
- (8) The overall result is assessed as "passed" or "failed". A majority of positive votes of the committee members present is required to receive the "passed" classification. The committee votes on the result in the non-public part of the professional discussion. The committee may decide that voting on the result will be by secret ballot.
- (9) If the professional discussion is unsuccessful, the committee determines the conditions and date for repetition. The professional discussion may be repeated twice. If the student does not successfully complete the professional discussion in either of the remedial terms, they fail to meet the requirements arising from the study programme.
- (10) The record of the proceedings of the professional discussion and its conclusions are signed by the chair of the committee. The chair informs the student of the result immediately after the session ends.



Article 11

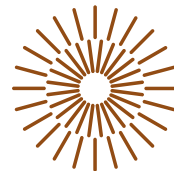
Doctoral Dissertation

- (1) The doctoral dissertation must contain original results of the doctoral student's independent work. The content and formal aspects of the doctoral dissertation correspond to the conventions for publishing scientific results in the relevant field.
- (2) The conditions and requirements for doctoral dissertations are stipulated by Article 23 of the TUL Study and Examination Regulations and the current Rector's Directive on the uniform formatting and publication of bachelor's, master's, rigorous, doctoral and habilitation theses, while the conditions for the reviewer's report are stipulated by Article 25 of the TUL Study and Examination Regulations.
- (3) In the case of exceptionally successful publication activity by the doctoral student, the doctoral dissertation may be written in the form of a set of publications related to the given title of the dissertation. Such a dissertation must contain the doctoral student's original results, meet the general requirements for a doctoral dissertation under the Study and Examination Regulations, and also meet the following requirements:
 - a) The doctoral dissertation must include at least 4 published publications in impact-factor journals classified by AIS as Q1 or Q2 (according to the Web of Science database). Publications published before the start of studies may not be included in the set of publications.
 - b) The doctoral student is the first or second author of at least two of the submitted publications.
 - c) The doctoral dissertation is monothematic and consistent. The publications cover a common topic, which is also the dissertation's topic.
 - d) The thesis consists of a summary introduction and general conclusions, totalling at least 30 pages. The full texts of the cited publications are included in the thesis.

Article 12

State Final Examination in the DSP

- (1) Study in the doctoral study program is officially completed by the state final examination (hereinafter the "SZZ"), consisting of the defense of the doctoral dissertation (see Section 47(4) of the Act).
- (2) Pursuant to Article 19(5) of the TUL Study and Examination Regulations, the latest deadline for taking the SZZ is six years from enrolment in the studies, unless the Dean determines otherwise in exceptional cases.
- (3) The SZZ takes place in accordance with Article 24 of the TUL Study and Examination Regulations.
- (4) The student submits an application for the SZZ consisting of the defence of the doctoral dissertation to the student affairs office ([Form – Application for the State Final Examination](#)). The student affairs office arranges and publishes the date of the defence.
- (5) The application includes:
 - a) A doctoral thesis in electronic form, in its final version and formatted in accordance with the prescribed structure and format, in line with the TUL guidelines; materials for the summary doctoral thesis abstract in electronic form, following the prescribed structure and template ([Template – Summary of the Doctoral Dissertation](#))
 - b) the supervisor's statement recommending or not recommending the doctoral dissertation for defence,
 - c) a list of the doctoral student's publications
 - d) a structured professional CV of the doctoral student.



PART III

Article 13

Final Provisions

This Dean's Directive regulates details of the organization of studies in doctoral study programmes for students enrolled from the 2026/2027 academic year.

Discussed by the Branch board of the doctoral study programmes Textile Engineering and Industrial Engineering on: 2 July 2026.



I. NATURAL SCIENCE BASIS

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Applied Mathematics (Selected Topics)	KMA/D125	2+0	Exam	1	WS
Physics of Polymers	KCH/D132	2+0	Exam	1	WS
Macromolecular Chemistry	KNT/D122	2+0	Exam	1	WS
Mathematical Statistics and Data Analysis	KMA/D126	2+0	Exam	1	WS
Mechanics of the Continuum	KTT/D133	2+0	Exam	1	WS

The student selects one course from the offer.

II. APPLIED BASIS

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Hydrodynamics of the Spinning Process	KCH/D131	2+0	Exam	1	WS, SS
Solid-State Optics – Colorimetry	KMI/D118	2+0	Exam	1	WS
Structural Mechanics of Fibrous Assemblies	KTT/D137	2+0	Exam	1	WS
The Finite Element Method in Technical Practise	KTT/D108	2+0	Exam	1	WS
Heat and Mass Transfer in Porous Media	KHT/D134	2+0	Exam	1	SS
Textile Machines Dynamics	KMP/D135	2+0	Exam	1	SS

The student selects one course from the offer.

III. FUNDAMENTALS OF THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Comfort of Clothes and its Ergonomic	KHT/D107	2+0	Exam	2	WS
Practical Stereology	KCH/D130	2+0	Exam	2	WS
Sorption Processes	KMI/D121	2+0	Exam	2	WS
Structure and Properties of Textile Fibres	KMI/D136	2+0	Exam	2	WS
Technology of Nanofibers Production	KNT/D123	2+0	Exam	2	WS
Textile Chemistry	KMI/D120	2+0	Exam	2	WS
Tissue Engineering	KNT/D138	2+0	Exam	2	WS
Transport Phenomena of Forming	KOD/D139	2+0	Exam	2	WS, SS
Chemical and Thermal Technologies of Nonwovens	KNT/D140	2+0	Exam	2	SS
Textiles Projection	KMI/D141	2+0	Exam	2	SS
Simulation of the Apparel Processes	KOD/D111	2+0	Exam	2	SS
Testing theory and experimental data	KMI/D113	2+0	Exam	2	SS
Image Processing and Analysis	KHT/D106	2+0	Exam	2	SS

The student selects one course from the offer.



IV. SPECIALIZATION IN THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Specialization in the Field	DFT/D30	2+0	Exam	3	SS

The student primarily selects from the offer of accredited courses in the TUL doctoral study programmes.

V. EXPERIMENTAL TECHNIQUES IN THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Experimental Technique of the Textile	DFT/D33	2+0	Exam	3	WS

The student must complete the course.

INTERNSHIPS

Optional courses (C)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Internship in a Company I	DFT/D60	12T	Credit	3	WS, SS
Internship in a Company II	DFT/D61	12T	Credit	3	WS, SS
Internship Abroad I	DFT/D62	12T	Credit	3	WS, SS
Internship Abroad II	DFT/D63	12T	Credit	3	WS, SS

The student has the right to expand their knowledge portfolio by selecting additional elective courses, which are not included in the fulfilment of the study programme but enable the student to expand their competencies.



I. SCIENTIFIC BASIC

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Selected Parts of Quality Control (Mathematical Principles)	DFT/D100	2+0	Exam	1	SS
Applied Mathematics (Selected Topics)	KMA/D125	2+0	Exam	1	WS
Mathematical Principles of Forecasting	KMI/D112	2+0	Exam	1	SS
Mathematical Statistics and Data Analysis	KMA/D126	2+0	Exam	1	WS

The student selects one course from the offer.

II. APPLIED BASIC

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Project Management to Implement Innovations	KPE/PRI-D	2+0	Exam	1	WS
Quality Planning and Management	KHT/D105	2+0	Exam	1	WS
The Finite Element Method in Technical Practise	KTT/D108	2+0	Exam	2	WS
Planning and Evaluation of Industrial Experiments	DFT/D101	2+0	Exam	1	SS
Application of Random Processes	DFT/D102	2+0	Exam	1	SS
Theory and Applications of Machine Vision	KSR/D124	2+0	Exam	2	WS
Reliability and Risk Assessment	KMA/D127	2+0	Exam	2	WS
Computer Modelling of Complex Technical Systems	DFT/D103	2+0	Exam	2	WS
Quality Assessment and Metrics in Companies and Corporations	DFT/D104	2+0	Exam	2	WS
Testing theory and experimental data treatment	KMI/D113	2+0	Exam	2	SS
Market Research and Customer Satisfaction	KMA/D128	2+0	Exam	2	SS
Image Processing and Analysis	KHT/D106	2+0	Exam	1	SS
Special Methods of Quality Determination	KMI/D114	2+0	Exam	1	SS
Economics and Organizations Management	KPE/ERO-D	2+0	Exam	2	WS, SS

The student selects one course from the offer.

III. FUNDAMENTALS OF THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Electronics in Textile Structures	KOD/D110	2+0	Exam	2	SS
Clothing Comfort and Its Ergonomic Aspects	KHT/D107	2+0	Exam	2	SS
Macromolecular Chemistry	KNT/D122	2+0	Exam	2	WS
Designing of Fibrous Products	KMI/D115	2+0	Exam	2	SS
Quality of Fibrous Products	KMI/D116	2+0	Exam	2	WS



Wetting of Fibrous Materials	KCH/D129	2+0	Exam	2	SS
Simulation of the Apparel Processes	KOD/D111	2+0	Exam	2	SS
Practical Stereology	KCH/D130	2+0	Exam	2	WS
Hydrodynamics of the Spinning Process	KCH/D131	2+0	Exam	2	WS, SS
Composites and Nanocomposites	KMI/D117	2+0	Exam	2	SS
Structural Mechanics of Fibrous Assemblies	KTT/D137	2+0	Exam	2	WS
Technology of Nanofibers Production	KNT/D123	2+0	Exam	2	SS
Optics of Solids	KMI/D118	2+0	Exam	2	WS
Sensorical Textile Materials	KMI/D119	2+0	Exam	2	SS
Textile Chemistry	KMI/D120	2+0	Exam	2	WS
Sorption Processes	KMI/D121	2+0	Exam	2	WS

The student selects one course from the offer.

IV. SPECIALIZATION IN THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Specialization in the Field	DFT/D30	2+0	Exam	3	SS

The student primarily selects from the offer of accredited courses in the TUL doctoral study programmes

V. EXPERIMENTAL TECHNIQUES IN THE FIELD

Compulsory elective courses (B)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Experimental Techniques in the Field	DFT/D33	2+0	Exam	3	WS

The student must complete the course.

INTERNSHIPS

Optional courses (C)

Course Title	Code	Extent Lect.+Ex.	Completion	Year	Semester
Internship in a Company I	DFT/D60	12T	Credit	3	WS, SS
Internship in a Company II	DFT/D61	12T	Credit	3	WS, SS
Internship Abroad I	DFT/D62	12T	Credit	3	WS, SS
Internship Abroad II	DFT/D63	12T	Credit	3	WS, SS

The student has the right to expand their knowledge portfolio by selecting additional elective courses, which are not included in the fulfilment of the study programme but enable the student to expand their competencies.