

Conditions of Study in Doctoral Study Programmes at FPBT

Studies in doctoral degree programmes are governed by the Study and Examination Rules of the University of Chemistry and Technology (SZŘ) and the accreditation granted. The study is monitored and evaluated by Doctoral Study Board of the given study programme, see Article 36 of the SZŘ. Some of the information below is therefore only general and the assessment of compliance with the specific requirements of the study, including the fulfilment of the conditions for the dissertation defence, is always the responsibility of the Doctoral Study Board.

Microbiology, codes D301/AD301	
compulsory subjects	<p>a total of 4 doctoral courses (minimum 2 from Module A, minimum 1 from Module B)</p> <ul style="list-style-type: none"> the subject of Module A - specialized Seminar in Biochemistry and Microbiology is compulsory for all students (summer semester of the 2nd year) with the consent of the supervisor and with the approval of the Doctoral Study Board, a Module A or Module B course may be replaced by a specialized course taught at another university
English conference	<ul style="list-style-type: none"> expert lecture, presentation of the results obtained from the dissertation, in English, in front of the committee and colleagues cannot be replaced by a foreign conference
Topic areas of basic part of state doctoral exam	<ol style="list-style-type: none"> compulsory - Microbiology; optional in Environmental Microbiology, Clinical and Pharmaceutical Microbiology, Food Microbiology, Industrial Microbiology, Virology; optional from Biochemistry, Molecular Biology and Genetic Engineering, Instrumental Methods in Biochemistry and Microbiology
minimum publication requirements	generally 2 scientific publications included in WOS with non-zero IF, resulting from the solution of the dissertation problematics (not of the review type), at least 1 first author, the second one can be replaced by a granted patent
dissertation requirements	<ul style="list-style-type: none"> according to the assessment of the Doctoral Study Board; standard requirements for scientific papers; see also Intranet, Directive No. A/S/961/3/2018; after consultation and approval by the chair of the Doctoral Study Board, an annotated consistent set of at least 3 publications (not of the review type) where the student is an author or co-author can be submitted the formal requirements for both forms of the dissertation are published on the Institute's website
form of pedagogical activity	students participate in teaching laboratories, consulting final theses, correcting written exams and organizing state final exams

Biotechnology, codes D302/AD302	
compulsory subjects	<p>a total of 4 doctoral courses (minimum 2 from Module A, minimum 1 from Module B)</p> <ul style="list-style-type: none"> with the consent of the supervisor and with the approval of the Doctoral Study Board, a Module A or Module B course may be replaced by a specialized course taught at another university
English conference	<ul style="list-style-type: none"> expert lecture, presentation of the results obtained from the dissertation, in English, in front of the committee and colleagues cannot be replaced by a foreign conference
Topic areas of basic part of state doctoral exam	<p>min. 3 topics, according to the focus of the thesis;</p> <ol style="list-style-type: none"> compulsory - Biotechnology; optional from Biochemistry, Microbiology, Genetic Engineering; optional from Bioengineering, Separation processes in biotechnology, Control and measurement methods in biotechnology
minimum publication requirements	<p>always according to the assessment of the Doctoral Study Board, generally 2 scientific publications included in WOS with non-zero IF, resulting from the solution of the dissertation problematics (not of the review type), at least 1 first author, the second one can be replaced by a granted patent</p>
requirements for the dissertation	<ul style="list-style-type: none"> according to the assessment of the Doctoral Study Board; standard requirements for scientific papers; see also Intranet, Directive No. A/S/961/3/2018; In exceptional cases, an annotated consistent set of at least 3 publications from WOS (not review type), where the student is an author or co-author, can be submitted after discussion and approval of the supervisor and the Doctoral Study Board
form of pedagogical activity	<p>voluntary, in agreement with the supervisor and the head of the training centre; students participate in teaching laboratories, consulting final theses, correcting written exams and organising the state final exam</p>

Food Chemistry and Technology, codes D303/ AD303	
compulsory subjects	<p>a total of 4 doctoral courses (minimum 2 from Module A, minimum 1 from Module B)</p> <ul style="list-style-type: none"> with the consent of the supervisor and with the approval of the Doctoral Study Board, a Module A or Module B course may be replaced by a specialized course taught at another university
English conference	<ul style="list-style-type: none"> expert lecture, presentation of the results obtained from the dissertation, in English, in front of the committee and colleagues cannot be replaced by a foreign conference
Topic areas of basic part of state doctoral exam	<ol style="list-style-type: none"> optional from Biochemistry, Organic Chemistry, Microbiology, Food Chemistry, Food Analysis optional from Physical and Colloidal Chemistry, Food Engineering, Physical Properties of Food optional from Food Technology, Principles of Food Storage, Food Packaging
minimum publication requirements	<p>always according to the assessment of the Doctoral Study Board; generally 2 scientific publications included in WOS with non-zero IF, resulting from the solution of the dissertation problematics (not of the review type), at least 1 first author, the second one can be replaced by a granted patent</p>
dissertation requirements	<ul style="list-style-type: none"> according to the assessment of the Doctoral Study Board (DSB); standard requirements for scientific papers; see also Intranet, Directive No. A/S/961/3/2018 in justified cases, an annotated, dissertation thesis in the form of consistent set of at least 3 WOS publications (not review type) where the student is an author or co-author (at least 1 first author) may be submitted after the approval by the supervisor and the Chair of the DSB formal requirements for both forms of the dissertation theses are posted on the web sites of Departments 321, 322, and 324
form of pedagogical activity	<p>Voluntary, in agreement with the supervisor and the head of the training centre; students participate in teaching laboratories, seminars, consulting final theses, correcting written examinations and organising the state final examination</p>

Biochemistry and Bioorganic Chemistry, codes D304/ AD304	
compulsory subjects	<p>a total of 4 doctoral courses (minimum 2 from Module A, minimum 1 from Module B)</p> <ul style="list-style-type: none"> • The subject of Module A - specialized Seminar in Biochemistry and Microbiology is compulsory for all students (Summer semester of the 2nd year) • with the consent of the supervisor and with the approval of the Doctoral Study Board, a Module A or Module B course may be replaced by a specialized course taught at another university
English conference	<ul style="list-style-type: none"> • expert lecture, presentation of the results obtained from the dissertation, in English, in front of the committee and colleagues • cannot be replaced by a foreign conference
Topic areas of basic part of state doctoral exam	<ol style="list-style-type: none"> 1. compulsory - Biochemistry 2. and 3. optional from Cell biology and molecular genetics, Methods of biochemical research, Microbiology, Organic chemistry, Structure and properties of natural substances, according to the focus of the dissertation
minimum publication requirements	always according to the assessment of the Doctoral Study Board; generally 2 scientific publications included in WOS with non-zero IF, resulting from the solution of the dissertation
	problematics (not of the review type), at least 1 first author, the second one can be replaced by a granted patent
requirements for the dissertation	<ul style="list-style-type: none"> • according to the assessment of the Doctoral Study Board; standard requirements for scientific papers; see also Intranet, Directive No. A/S/961/3/2018; • after consultation and approval by the chair of the Doctoral Study Board, an annotated consistent set of at least 3 publications (not of the review type) where the student is an author or co-author can be submitted • the formal requirements for both forms of the dissertation are published on the Institute's website
form of pedagogical activity	students participate in teaching laboratories, consulting final theses, correcting written exams and organizing state final exams

Food and Natural Products, codes D305/ AD305	
compulsory subjects	<p>a total of 4 doctoral courses (minimum 2 from Module A, minimum 1 from Module B)</p> <ul style="list-style-type: none"> with the consent of the supervisor and with the approval of the Doctoral Study Board, a Module A or Module B course may be replaced by a specialized course taught at another university
English conference	<ul style="list-style-type: none"> expert lecture, presentation of the results obtained from the dissertation, in English, in front of the committee and colleagues cannot be replaced by a foreign conference
Topic areas of basic part of state doctoral exam	<ol style="list-style-type: none"> compulsory - Chemistry and analysis of food and natural products optional from: Development of methods and data processing in food and natural products analysis, Chromatographic methods in food and natural products analysis optional from: Quality and safety of food from the perspective of healthy nutrition, Sensory analysis in food science
minimum publication requirements	<p>always according to the Doctoral Study Board assessment; generally 2 scientific publications included in WOS with non-zero IF, resulting from the dissertation problematics (not review type), at least 1 first author</p>
dissertation requirements	<ul style="list-style-type: none"> according to the assessment of the Doctoral Study Board; standard requirements for scientific papers; see also Intranet, Directive No. A/S/961/3/2018; after consultation and approval by the chair of the Doctoral Study Board, an annotated consistent set of at least 3 publications (not review type) can be submitted, where the student is an author or co-author
form of pedagogical activity	<p>students participate in teaching laboratories and seminars, consulting final theses, correcting written exams and organizing state final exams</p>