

**Obligatory subjects - basic (A)****Number of courses: 5 credits: 35**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/AC002	Foreign Language		10	0S+0S+0S	Zk	1
DSPL/AC020	Teaching Practice		15	0S+0S+0S	Zp	1
DSPL/AC041	Congress Presentation with an Abstract		10	0S+0S+0S	Zp	1
DSPL/A010	Participation in a Grant Project		0	0S+0S+0S	Zp	1
DSPL/A990	State Doctoral Exam		0	0S+0S+0S	Sdz	1

Each of the students is to choose the "Foreign Language" individually: either English or German. 15 credits for "Teaching Practice" can be acquired only once during the whole course of studies. Credits for "Congress Presentation with an Abstract" can be acquired only by the student, who is stated as the first author and who submits a photocopy of the published abstract. The studies are concluded by the state doctoral exam and the defence of the dissertation thesis.

**Obligatory subjects - specialized subjects (A)****Number of courses: 4 credits: 65**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/A350	Toxicology		15	10S+0+0	Zk	1
DSPL/A351	Introduction to Toxicological Methods		15	0+40S+0	Zp	1
DSPL/A352	Advanced Toxicological Methods		20	0+40S+0	Zp	1
DSPL/A353	Applied Toxicology		15	10S+0+0	Zk	1

**Elective subjects - specialized subjects (B)****Selection min.: 15 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B350	Analytical Toxicology		15	5S+0+0	Zk	1
DSPL/B351	Environmental Toxicology and Ecotoxicol.		15	5S+0+0	Zk	1

**Elective subjects - specialized subjects - publication (B)****Selection min.: 50 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B901	Original Scientific Publication		10	0S+0S+0S	Zp	1
DSPL/B951	Review Article		10	0S+0S+0S	Zp	1
DSPL/B994	Original Scientific Publication in a J.		20	0S+0S+0S	Zp	1
DSPL/B995	Original Scientific Publication in a J.		20	0S+0S+0S	Zp	1

The student must acquire a minimum of 50 credits for publications related to the dissertation thesis published in scientific journals. The student is obliged to submit two original publications published in a journal with IF, where the student is the first author. The sum of all IFs must be at least "3". The third publication can be either original or a review in published in a scientific journal.

**Elective subjects - specialized subjects - introductory course - basic (B)****Selection min.: 10 cr.**

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/B001	Exploiting Literature Databases		2	0S+0S+4S	Zp	1
DSPL/B002	Research Grant Proposal and Management		2	0S+0S+4S	Zp	1
DSPL/B003	Ethics and Legislation of Medical Scien.		2	0S+0S+4S	Zp	1
DSPL/B004	Applied Statistics in Biomedicine		2	0S+0S+5S	Zp	1
DSPL/B007	Molecular Bases of Diseases 1		2	0S+0S+3S	Zp	1
DSPL/B008	Molecular Bases of Haematoonc. Diseases		2	0S+0S+2S	Zp	1
DSPL/B009	Transfer and Patent Protection of Res...		2	0S+0S+2S	Zp	1
DSPL/B010	Presentation and Marketing Competence		2	0S+0S+4S	Zp	1
DSPL/B017	Molecular Bases of Diseases 2		2	0S+0S+3S	Zp	1
DSPL/B021	Epidemiological Methodology		2	0S+0S+4S	Zp	1

During the whole course of studies the student must acquire a minimum of 10 credits and a maximum of 16 credits in selected subjects.

### Optional subjects - specialized course (C)

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/C001	Methods for Mammalian Cell Transform...		2	0S+0S+7S	Zp	1
DSPL/C002A	Molec.Physiology of Malignant Cell-Teory		2	0S+0S+4S	Zp	1
DSPL/C002B	Molec. Physiology of Malignant Cell-Exc.		2	0S+0S+4S	Zp	1
DSPL/C003	Therapeutic Possibilities of Stem Cells		1	0S+0S+3S	Zp	1
DSPL/C004	Molec. Methods in Biomedicine-Genetics-A		1	0S+0S+2S	Zp	1
DSPL/C005	Selected Methods in Experimental Toxic.		2	0S+0S+4S	Zp	1
DSPL/C007	Molec. Methods in Biomedicine-Genetics-B		2	0S+0S+7S	Zp	1
DSPL/C008	Molec.Methods in Biomedicine-Microbiolog		2	0S+0S+7S	Zp	1
DSPL/C009	Molecul.Methods in Biomedicine-Pathology		2	0S+0S+7S	Zp	1
DSPL/C010	Molecul.Methods in Biomedicine-Oncology		2	0S+0S+7S	Zp	1
DSPL/C011	Writing for Publication - The Process		2	0S+0S+0S	Zp	1

### Optional subjects - specialized subjects - other (C)

Abbreviation	Course name	Meaning	Number of credits	Course extent L+T+Sem	Finalization	Recomm. Year Sem.
DSPL/C032	Review Article in a Journal with an IF		15	0S+0S+0S	Zp	1
DSPL/C033	Research Visit		20	0S+0S+0S	Zp	1
DSPL/C040	Student Conference Presentation		8	0S+0S+0S	Zp	1
DSPL/C050	Field of Study Seminar Presentation		5	0S+0S+0S	Zp	1
DSPL/C060	Palacký University Internal Grant Proj.		5	0S+0S+0S	Zp	1
DSPL/C061	Grant Project Not Included in Pal. Un.		10	0S+0S+0S	Zp	1
DSPL/C062	Grant Project Included the Czech Central		15	0S+0S+0S	Zp	1
DSPL/C063	Draft Expert Opinions		5	0S+0S+0S	Zp	1