

Study programme: **P0914D350004 – Imaging Methods**Number of credits: **240**Academic year: **2021/2022**Field of study: **Imaging Methods**Form of study: **Full-time**Specialization: **AJ**Stage: **1**Version: **2021**Number of credits: **240****Obligatory subjects - specialized (block status: A)**

No. of courses: 1 credits: 25

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/AC091	Radiology, Nuclear Medicine	25	0S+0S+0S	Ex	1 W/S

**Elective subjects - specialized (block status: B)**

Min.no.of 20 credits

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/BC180	Principles and Contraind.of Imag.Methods	20	0S+0S+0S	Ex	1 W/S
DSPL/BC181	Nuclear Medicine Methods	20	0S+0S+0S	Ex	1 W/S

**Optional subjects - specialized (block status: C)**

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/C151	Imaging of the Thorax and Abdomen	2	0S+0S+0S	Ex	1 W/S
DSPL/C152	Interventional Radiology	2	0S+0S+0S	Ex	1 W/S
DSPL/C153	Vessel Imaging	2	0S+0S+0S	Ex	1 W/S
DSPL/C154	Neuroradiology	2	0S+0S+0S	Ex	1 W/S
DSPL/C155	Head and Neck Imaging	2	0S+0S+0S	Ex	1 W/S
DSPL/C156	Breast Imaging	2	0S+0S+0S	Ex	1 W/S
DSPL/C157	Magnetic Resonance	2	0S+0S+0S	Ex	1 W/S
DSPL/C159	Nuclear Cardiology	2	0S+0S+0S	Ex	1 W/S
DSPL/C160	Nuclear Oncology	2	0S+0S+0S	Ex	1 W/S
DSPL/C161	Nuclear Medicine Procedures in Neurology	2	0S+0S+0S	Ex	1 W/S
DSPL/C162	Nuclear Medicine Proced. in Nephro-Urol.	2	0S+0S+0S	Ex	1 W/S
DSPL/C163	Nuclear Medicine Procedures in Endocrin.	2	0S+0S+0S	Ex	1 W/S

**Obligatory subjects - basic (block status: A)**

No. of courses: 5 credits: 38

Dept/Crs code	Course name	No. of Cred.	No. of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/AC001	Foreign Language	15	0S+0S+0S	Ex	1 W/S
DSPL/AC020	Teaching Practice	15	0S+0S+0S	Con	1 W/S
DSPL/AC040	Congress Presentation with an Abstract	8	0S+0S+0S	Con	1 W/S
DSPL/A010	Participation in a Grant Project	0	0S+0S+0S	Con	1 W/S
DSPL/A990	State Doctoral Exam	0	0S+0S+0S	Sdz	1 W/S

**Note:** "Jazyk" si volí každý student individuálně mezi angličtinou a němčinou. Za "Pedagogickou praxi" lze přiznat 15 kreditů pouze jedenkrát za celé studium. Kredity za "Kongresovou prezentaci s abstraktem" lze přiznat pouze studentovi, který je uveden jako 1. autor a který doloží fotokopii publikovaného abstraktu. Studium se ukončuje státní doktorskou zkouškou a obhajobou disertační práce.

### Elective subjects - specialized subjects - introductory course - basic

Min.no.of 8 credits

(block status: **B**)

Dept/Crs code	Course name	No. of Cred.	No.of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/B001	Exploiting Literature Databases	2	0S+0S+4S	Con	1 W/S
DSPL/B002	Research Grant Proposal and Management	2	0S+0S+4S	Con	1 W/S
DSPL/B003	Ethics and Legislation of Medical Scien.	2	0S+0S+4S	Con	1 W/S
DSPL/B004	Applied Statistics in Biomedicine	2	0S+0S+5S	Con	1 W/S
DSPL/B005	Good Clinical Practice	2	0S+0S+4S	Con	1 W/S
DSPL/B006	Evidence-Based Medicine	2	0S+0S+4S	Con	1 W/S
DSPL/B007	Molecular Bases of Diseases 1	2	0S+0S+3S	Con	1 W/S
DSPL/B008	Molecular Bases of Haematoonc. Diseases	2	0S+0S+2S	Con	1 W/S
DSPL/B009	Transfer and Patent Protection of Res...	2	0S+0S+2S	Con	1 W/S
DSPL/B010	Presentation and Marketing Competence	2	0S+0S+4S	Con	1 W/S
DSPL/B017	Molecular Bases of Diseases 2	2	0S+0S+3S	Con	1 W/S
DSPL/B021	Epidemiological Methodology	2	0S+0S+4S	Con	1 W/S

**Note:** Student je povinen získat minimálně 8 kreditů. Maximálně je přiznáváno 16 kreditů.

### Elective subjects - specialized subjects - publication (block status: **B**)

Min.no.of 38 credits

Dept/Crs code	Course name	No. of Cred.	No.of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/B901	Original Scientific Publication	10	0S+0S+0S	Con	1 W/S
DSPL/B903	Original Scientific Publication	10	0S+0S+0S	Con	1 W/S
DSPL/B950	Review Article	8	0S+0S+0S	Con	1 W/S
DSPL/B994	Original Scientific Publication in a J.	20	0S+0S+0S	Con	1 W/S

**Note:** Student je povinen získat minimálně 38 kreditů za publikace tématicky související s disertační prací uveřejněné v recenzovaných časopisech - tzn. předloží min. 3 publikace při dodržení následujících podmínek: minimálně 2 publikace musí být původní, student musí být prvním autorem minimálně jedné původní práce v časopise s IF a jednoho dalšího článku.

### Optional subjects - specialized course (block status: **C**)

Dept/Crs code	Course name	No. of Cred.	No.of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/C001	Methods for Mammalian Cell Transform...	2	0S+0S+7S	Con	1 W/S
DSPL/C002A	Molecular Physiology of Malignant Cell..	2	0S+0S+4S	Con	1 W/S
DSPL/C002B	Molecular Physiology of Malignant Cell..	2	0S+0S+4S	Con	1 W/S
DSPL/C003	Therapeutic Possibilities of Stem Cells	1	0S+0S+3S	Con	1 W/S
DSPL/C004	Molecul. Methods in Biomedicine-Genetics	1	0S+0S+2S	Con	1 W/S
DSPL/C005	Selected Methods in Experimental Toxic.	2	0S+0S+4S	Con	1 W/S
DSPL/C007	Molecul. Methods in Biomedicine-Genetics	2	0S+0S+7S	Con	1 W/S

DSPL/C008	Molec.Methods in Biomedicine-Microbiolog	2	0S+0S+7S	Con	1 W/S
DSPL/C009	Molecul.Methods in Biomedicine-Pathology	2	0S+0S+7S	Con	1 W/S
DSPL/C010	Molecul.Methods in Biomedicine-Oncology	2	0S+0S+7S	Con	1 W/S

**Optional subjects - specialized subjects - other (block status: C)**

Dept/Crs code	Course name	No. of Cred.	No.of hrs/w L+S+SS	Concl.	Recom. year sem.
DSPL/C021	Individual Research Work	80	0S+0S+0S	Con	1 W/S
DSPL/C031	Research Visit (a Minimum of 3 Months)	30	0S+0S+0S	Con	1 W/S
DSPL/C032	Review Article in a Journal with an IF	15	0S+0S+0S	Con	1 W/S
DSPL/C040	Student Conference Presentation	8	0S+0S+0S	Con	1 W/S
DSPL/C050	Field of Study Seminar Presentation	5	0S+0S+0S	Con	1 W/S
DSPL/C060	Palacký University Internal Grant Proj.	5	0S+0S+0S	Con	1 W/S
DSPL/C061	Grant Project Not Included in Pal. Un.	10	0S+0S+0S	Con	1 W/S
DSPL/C062	Grant Project Included the Czech Central	15	0S+0S+0S	Con	1 W/S

**Note:** Kredity za předmět "Samostatná výzkumná práce" lze čerpat v průběhu celého studia do maximální hodnoty 80 kreditů. Kredity za předmět "Řešení grantového projektu" student získává, jestliže se podání daného projektu zúčastnil. Kredity za předmět DSPL/C061 "Řešení grant. projektu mimo CEP a IG UP" lze získat pouze do akademického roku 2020/2021.