

Study programme: B1301  
Academic year: 2018/2019

**Courses marked bold are provided in English for exchange students**  
(instructions for other courses may be given in English if the teacher agrees)

*Courses for exchange students only*

Course abbreviation	Course name	ECTS	Lectures+Practices +Semminars	Recommended Sem.
<b>KGI/GI</b>	<b>Geoinformatics</b>	<b>8</b>	<b>3+0+1</b>	<b>W/S</b>
<b>KGI/GINEW</b>	<b>New Issues of Geosciences</b>	<b>5</b>	<b>2+0+1</b>	<b>W/S</b>

*Study branch: Geoinformatics and Geography (Bachelor) – except bold taught in Czech lang.*

*Compulsory (major) courses (statute: A)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Semminars	Recommended Year Sem.
KGI/GEOIN	Geoinformatics	10	2+3+1	1 W
KGI/KART1	Cartography 1	10	3+4+0	1 W
KGI/MATE	Mathematics	5	2+2+0	1 W
KGI/ZINFO	Introduction to Computer Science	5	2+1+0	1 W
<b>KGI/GIS</b>	<b>Geographical Information Systems</b>	<b>5</b>	<b>1+2+0</b>	<b>1 S</b>
<b>KGI/KART2</b>	<b>Cartography 2</b>	<b>10</b>	<b>2+3+2</b>	<b>1 S</b>
KGI/PRG1	Programming 1	10	3+4+0	1 S
KGI/STGST	Statistics and Geostatistics	5	2+4+0	1 S
<b>KGI/DAPRZ</b>	<b>Remote Sensing</b>	<b>10</b>	<b>3+4+0</b>	<b>2 W</b>
KGI/DATAS	Database Systems	10	2+4+1	2 W
<b>KGI/DIMOR</b>	<b>Digital Elevation Models</b>	<b>5</b>	<b>2+2+0</b>	<b>2 W</b>
KGI/POLNA	Global Positioning and Navigation Sys	5	2+1+0	2 W
KGI/FYGE1	Physical Geography 1	5	2+2+0	2 S
<b>KGI/PRG2</b>	<b>Programming 2</b>	<b>5</b>	<b>2+2+0</b>	<b>2 S</b>
KGI/SEGE1	Socio-economic Geography 1	5	2+2+0	2 S
KGI/BAKA1	Bacalor Thesis 1	4	0+0+3	3 W
KGI/FYGE2	Physical Geography 2	5	2+2+0	3 W
<b>KGI/SEGE2</b>	<b>Socio-economic Geography 2</b>	<b>5</b>	<b>2+2+0</b>	<b>3 W</b>
KGI/BAKA2	Bacalor Thesis 2	10	0+0+7	3 S
KGI/FREOS	Freeware and Open Source	5	0+3+1	3 S
KGI/PRAXB	Professional Training in Geoinformatics	10	0+4TS+0	3 S

*Compulsory-elective courses (statute: B)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Semminars	Recommended Year Sem.
---------------------	-------------	------	----------------------------------	--------------------------

*Block A:*

KGI/DYWE	Dynamic web	5	2+2+0	S
<b>KGI/ISUZ</b>	<b>Land Information Systems</b>	<b>5</b>	<b>2+1+0</b>	<b>S</b>
KGI/ZAGEF	Base of Geodesy and Photogrammetry	10	2+3+1	S
KGI/EXGI	Excursion in Geoinformatics	2	0+3DS+0	W
KGI/GEPRO	Geographical Project	5	0+0+3	W
KGI/GISLZ	GIS in Forestry and Agriculture	5	2+2+0	S

*Block B: (English language courses)*

<b>VCJ/AIII1</b>	<b>Intermediate General English 1</b>	<b>1</b>	<b>0+2+0</b>	<b>1</b>	<b>W</b>
<b>VCJ/AIII2</b>	<b>Intermediate General English 2</b>	<b>3</b>	<b>0+2+0</b>	<b>1</b>	<b>S</b>
<b>VCJ/AV1</b>	<b>Advanced Academic English 1</b>	<b>1</b>	<b>0+2+0</b>		<b>W/S</b>
<b>VCJ/AIV1</b>	<b>Intermediate Academic English 1</b>	<b>1</b>	<b>0+2+0</b>		<b>W</b>
<b>VCJ/ATPG1</b>	<b>English terminology and presentation - Geoinformatics 1</b>	<b>2</b>	<b>0+2+0</b>		<b>W</b>
<b>VCJ/AIV2</b>	<b>Intermediate Academic English 2</b>	<b>3</b>	<b>0+2+0</b>		<b>S</b>
<b>VCJ/AV2</b>	<b>Advanced Academic English 2</b>	<b>3</b>	<b>0+2+0</b>		<b>S</b>
<b>VCJ/ATPG2</b>	<b>English terminology and presentation - Geoinformatics 2</b>	<b>4</b>	<b>0+2+0</b>		<b>S</b>

*Optional courses (statute: C)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Seminars	Recommended	
				Year	Sem.
KGI/GIPRO	Geoinformatic Propedeutics	2	0+2+0	1	W
<b>KGI/GI</b>	<b>Geoinformatics</b>	8	3+0+1		W/S
<b>KGI/GINEW</b>	<b>New issues of geosciences</b>	5	2+0+1		W/S
PRF/ZPS1	Internat. Work Placement (1 month)	2	0+4TR+0		W/S
PRF/ZPS2	Internat. Work Placement (2 months)	6	0+8TR+0		W/S
PRF/ZPS3	Internat. Work Placement (4 months)	12	0+16TR+0		W/S
<b>KGI/KADES</b>	<b>Cartographic Design and Prepress Processing</b>	<b>3</b>	<b>0+0+2</b>		<b>W</b>
KGI/PUGI	Publishing in geoinformatics	3	0+2+0		W
KGI/DIFOG	Digital Photography in GIT	3	0+2+0		S
KGI/DKART	History of Cartography	3	0+0+2		S
KGI/SPTNM	Spatiality	3	2+0+6		S
KGI/TEEY	Eye-tracking technology	3	0+2+0		S
<b>KGI/TRID</b>	<b>3D Technologies in Geographic Information Science</b>	<b>3</b>	<b>0+2+0</b>		<b>S</b>

*Study branch: Geoinformatics (Master) – except bold taught in Czech language*

*Compulsory (major) courses (statute: A)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Seminars	Recommended	
				Year	Sem.
KGI/DAMIN	Data mining	10	3+4+0	1	W
KGI/GISON	GIS online	10	4+3+0	1	W
KGI/PROAN	Spatial analyses in GIS	10	4+2+1	1	W
KGI/DIPS1	Diploma Geoinformatics Seminar 1	5	0+0+3	1	S
KGI/GIT	Geographic information technology	5	2+2+0	1	S
KGI/POMOS	Computer Modelling and Simulation	5	2+1+0	1	S
<b>KGI/WEKAR</b>	<b>Web Cartography</b>	<b>5</b>	<b>1+2+0</b>	<b>1</b>	<b>S</b>
KGI/DIPS2	Diploma Geoinformatics Seminar 2	10	0+0+6	2	W
KGI/PROGI	Project design in GIT	5	2+0+1	2	W
KGI/DIPS3	Diploma Geoinformatics Seminar 3	14	0+0+8	2	S
KGI/PRAXM	Professional Training in Geoinformatics	5	0+3TR+0	2	S

*Compulsory-elective courses (statute: B)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Semminars	Recommended	
				Year	Sem.
KGI/CADX	CAD	5	1+2+0		S
KGI/GFYZ	Geoinformatics in physical geography	5	2+2+0		S
KGI/PODPZ	Advanced Remote Sensing	5	2+2+0		S
KGI/POZGE	Advanced processing geodata	5	2+2+0		S
<b>KGI/ATKAR</b>	<b>Atlas cartography</b>	<b>10</b>	2+0+4		W
KGI/DEKAR	History of cartography	5	2+0+1		W
KGI/ENVIG	GIT in environmental applications	5	2+2+0		W
KGI/GEOC	Geocomputation	5	2+2+0		W
<b>KGI/GSOC</b>	<b>Geoinformatics in socio-economic geography</b>	<b>5</b>	2+2+0		W
<b>KGI/VYPOK</b>	<b>Computational Methods in Cartography</b>	<b>10</b>	4+2+1		S

*Optional courses (statute: C)*

Course abbreviation	Course name	ECTS	Lectures+Practices +Semminars	Recommended	
				Year	Sem.
KGI/GIPRO	Geoinformatic Propedeutics	2	0+2+0	1	W
<b>KGI/GI</b>	<b>Geoinformatics</b>	8	3+0+1		W/S
<b>KGI/GINEW</b>	<b>New issues of geosciences</b>	5	2+0+1		W/S
PRF/ZPS1	Internat. Work Placement (1 month)	2	0+4TR+0		W/S
PRF/ZPS2	Internat. Work Placement (2 months)	6	0+8TR+0		W/S
PRF/ZPS3	Internat. Work Placement (4 months)	12	0+16TR+0		W/S
<b>KGI/KADES</b>	<b>Cartographic Design and Prepress Processing</b>	<b>3</b>	0+0+2		W
<b>KGI/KOKAR</b>	<b>Cognitive Cartography</b>	<b>3</b>	1+2+0		W
KGI/PUGI	Publishing in geoinformatics	3	0+2+0		W
<b>VCJ/ATPG1</b>	<b>English terminology and presentation - Geoinformatics 1</b>	<b>2</b>	0+2+0		W
KGI/GIOUT	GIT in outdoor	3	0+2+0		S
KGI/MOZEZ	Mobile and Sensors Systems for Mapping	3	0+0+2		S
KGI/SPTNM	Spationomy	3	2+0+6		S
KGI/TEEY	Eye-tracking technology	3	0+2+0		S
<b>KGI/TRID</b>	<b>3D Technologies in Geographic Information Science</b>	<b>3</b>	0+2+0		S
<b>VCJ/ATPG2</b>	<b>English terminology and presentation - Geoinformatics 2</b>	<b>4</b>	0+2+0		S

*Legend:*

- W ... winter semester (since mid-September to mid-December + exam period till mid-February)  
S ... summer semester (since mid-February to mid-May + exam period till the end of June)  
W/S ... one-semester courses take place during both winter and summer semester  
DS ... days of block education (e. g. 3DS = 3 days fully focusing on that course)  
TR ... weeks of block education (e. g. 4TR = 4 weeks fully focusing on that course)

- KGI ... Department of Geoinformatics  
VCJ ... Department of Foreign Languages of the Faculty of Science  
PRF ... Faculty of Science

Check also courses in English provided by all GEO departments of Palacký University  
<http://www.geoinformatics.upol.cz/wp-content/uploads/2015/08/GEOcourses-201718.pdf>