

COURSES LIST OF CRSSP CURRICULUM 2017

1ST SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MPB	GKP 1001	Geographic Information Science Profession and Industry	1	C	L: pass, A: taken, S: taking the course
	2	MKK	GKP 1101	Cartography	2	C	
	3	MKB	GKP 0101	Cartography (practicum)	1	C	
	4	MPK	GEO 2002	Civic Education	2	C	
	5	MKK	GEO 1003	Introduction to Geography	2	C	
	6	MKK	GKP 1201	Physics of Waves and Optics	2	C	
	7	MPK	GEO 1005	Pancasila Education	2	C	
	8	MKK	GEL 1101	Geology	2	C	
	9	MKK	GEL 1301	Human Geography	3	C	
	10	MKK	GEO 1010	Biogeography	2	C	
	11	MKK	GEL 1201	Meteorology and Climatology	2	C	
TOTAL COMPULSORY COURSES					21	TOTAL:	21

2ND SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite	
	1	MKK	GKP 1202	Remote Sensing	2	C		
	2	MKB	GKP 0202	Remote Sensing (practicum)	1	C	GKP 1202 (A/S)	
	3	MKK	GEL 1102	Geomorphology	2	C	GEL 1101 (A)	
	4	MKB	GEL 0102	Geomorphology (practicum)	1	C	GEL 1102 (A/S)	
	5	MKK	GPW 1103	Regional Science	2	C		
	6	MKK	GEO 1007	Mathematics	2	C		
	7	MKK	GEO 1008	Statistics	2	C		
	8	MKK	GEL 1202	Hydrology	2	C		
	9	MKB	GEO 1003	Field Work 1: Introduction to Landscape	2	C		
	TOTAL COMPULSORY COURSES					16		
	10	MKK	GKP 1102	Map Projection	2	E	GKP 1101 (A)	
	11	MKB	GKP 0102	Map Projection (practicum)	1	E	GKP 1102 (A/S), GKP 1101 (A)	
	12	MKK	GEL 1401	Ecology and Environmental Science	2	E		
13	MKK	GEL 2108	Oceanography	2	E	GEL 1102 (A/S)		

	TOTAL ELECTIVE COURSES	7	TOTAL:	23
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3 RD SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MKK	GKP 2103	Land Surveying	2	C	GKP 1101 (L)
	2	MKB	GKP 0103	Land Surveying (practicum)	1	C	GKP 2103 (A/S), GKP 1101 (L)
	3	MKK	GKP 2203	Photogrammetry	2	C	GKP 1202 (A)
	4	MKB	GKP 0203	Photogrammetry (practicum)	1	C	GKP 2203 (A/S), GKP 1202 (A)
	5	MKK	GKP 2204	Photographic Remote Sensing System	2	C	GKP 1202 (A)
	6	MKB	GKP 0204	Photographic Remote Sensing System (practicum)	1	C	GKP 2204 (A/S), GKP 1202 (A)
	7	MKK	GKP 2301	Geographic Information System	2	C	
	8	MKB	GKP 0301	Geographic Information System (practicum)	1	C	GKP 2301 (A/S)
	9	MPK	GEO 2001	Religion Study	2	C	
	10	MKK	GEL 2104	Soil Science	2	C	GEL 1102 (A)
	11	MKB	GEL 0104	Soil Science (practicum)	1	C	GEL 1102 (A), GEL 2104 (A/S)
	12	MKK	GPW 2101	Regional Geography of Indonesia	2	C	
	13	MKB	GPW 0101	Regional Geography of Indonesia (practicum)	1	C	GPW 2101 (A/S)
TOTAL COMPULSORY COURSES					20		
12	MKK	GKP 2104	Topographic Mapping and Toponimic Survey	2	E	GKP 1101 (A)	
13	MKB	GKP 0104	Topographic Mapping and Toponimic Survey (practicum)	1	E	GKP 2104 (A/S), GKP 1101 (A)	
14	MKK	GPW 1201	Spatial Theories	2	E		
TOTAL ELECTIVE COURSES					5	TOTAL:	25

4 TH SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MPB	GKP 2001	Fieldwork 2: Geospatial Data Acquisition for Building Regional Database	3	C	GEO 1003 (L)
	2	MKK	GKP 2105	Thematic Cartographic	3	C	GKP 1101 (L)
	3	MKB	GKP 0105	Thematic Cartographic (practicum)	1	C	GKP 2105 (A/S), GKP 1101 (L)
	4	MKK	GKP 2205	Passive Non-Photographic Remote Sensing System	2	C	GKP 1202 (A)
	5	MKB	GKP 0205	Passive Non-Photographic Remote Sensing System (practicum)	1	C	GKP 2205 (A/S), GKP 1202 (A)
	6	MKK	GKP 2206	Remote Sensing Digital Image Processing	2	C	GKP 1202 (L)
	7	MKB	GKP 0206	Remote Sensing Digital Image Processing (practicum)	1	C	GKP 2206 (A/S), GKP 1202 (L)

8	MKK	GKP 2302	Spatial Database and Data Infrastructure	2	C	GKP 2301 (A)
9	MKB	GKP 0302	Spatial Database and Data Infrastructure (practicum)	1	C	GKP 2302 (A/S), GKP 2301 (A)
10	MKK	GKP 2303	Algorithm and Programming	2	C	
11	MKB	GKP 0303	Algorithm and Programming (practicum)	1	C	GKP 2303 (A/S)
TOTAL COMPULSORY COURSES				19		
12	MKK	GKP 2207	Active Remote Sensing System	2	E	GKP 1202 (A)
13	MKB	GKP 0207	Active Remote Sensing System (practicum)	1	E	GKP 2207 (A/S), GKP 1202 (A)
14	MKK	GEL 2208	Tropical Climate	2	E	GEL 1201 (A)
15	MKK	GEL 2106	Geomorphological Survey and Mapping	2	E	GEL 1102 (A), GKP 1101 (A)
16	MKB	GEL 0106	Geomorphological Survey and Mapping (practicum)	1	E	GEL 2105 (A/S), GEL 1102 (A), GKP 1101 (A)
TOTAL ELECTIVE COURSES				8	TOTAL:	27

5 TH SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MKB	GKP 3001	Applied Statistics for Geospatial Data	2	C	GKP 1202 (A), GKP 2301 (A), GEO 1008 (A)
	2	MKB	GKP 0001	Applied Statistics for Geospatial Data (practicum)	1	C	GKP 3001 (A/S), GKP 1202 (A), GKP 2301 (A), GEO 1008 (A)
	3	MKK	GEO 3002	Indonesian Language	2	C	
	TOTAL COMPULSORY COURSES				5		
	4	MKK	GKP 3106	Digital Cartography	2	E	GKP 1101 (L), GKP 1102 (L), GKP 2105 (A)
	5	MKB	GKP 0106	Digital Cartography (practicum)	1	E	GKP 3106 (A/S), GKP 1101 (L), GKP 1102 (L), GKP 2105 (A)
	6	MKB	GKP 3208	Remote Sensing of Landscape Ecology	2	E	GKP 2206 (L), GEO 1010 (A)
	7	MKB	GKP 0208	Remote Sensing of Landscape Ecology (practicum)	1	E	GKP 3208 (A/S), GKP 2206 (L), GEO 1010 (A)
	8	MKB	GKP 3209	Remote Sensing of Lithosphere	2	E	GKP 2206 (L), GEL 1101 (A), GEL 1102 (A)
	9	MKB	GKP 0209	Remote Sensing of Lithosphere (practicum)	1	E	GKP 3209 (A/S), GKP 2206 (L), GEL 1101 (A), GEL 1102 (A)
	10	MKB	GKP 3304	Spatial Analysis and Modelling	2	E	GKP 2302 (L)
	11	MKB	GKP 0304	Spatial Analysis and Modelling (practicum)	1	E	GKP 3304 (A/S), GKP 2302 (L)
	12	MKB	GKP 3305	Spatial Programming	2	E	GKP 2303 (A)
13	MKB	GKP 0305	Spatial Programming (practicum)	1	E	GKP 3305 (A/S), GKP 2303 (A)	
14	MKB	GPW 4201	Spatial and Regional Planning	2	E	GPW 1103 (A), GPW 1201 (A)	

15	MKB	GPW 0201	Spatial and Regional Planning (practicum)	1	E	GPW 4201 (A/S), GPW 1103 (A), GPW 1201 (A)
16	MKB	GEL 3109	Disaster Management	2	E	GEL 1102 (A), GEL 1202 (A)
17	MKB	GEL 0109	Disaster Management (practicum)	1	E	GEL 3107 (A/S), GEL 1102 (A), GEL 1202 (A)
TOTAL ELECTIVE COURSES				21	TOTAL:	26

6 TH SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite	
	1	MKB	GKP 3002	Research Methods in Geographic Information Science	2	C		
	2	MKB	GKP 3107	Management of Surveying and Mapping	2	C	GKP 2105 (L)	
	3	MKB	GKP 0107	Management of Surveying and Mapping (practicum)	1	C	GKP 3107 (A/S), GKP 2105 (L)	
	4	MPB	GKP 3003	Fieldwork 3: Geospatial Analysis and Modelling	3	C	GKP 2001 (L)	
	5	MBB	GEO 4001	Community Service	3	C	≥100 SKS	
	TOTAL COMPULSORY COURSES					11		
	6	MKB	GKP 3108	Analytical Cartography	2	E	GKP 2105 (L)	
	7	MKB	GKP 0108	Analytical Cartography (practicum)	1	E	GKP 3108 (A/S), GKP 2105 (L)	
	8	MKB	GKP 3210	Remote Sensing of Hydrology and Watershed Management	2	E	GKP 2206 (L), GEL 1202 (A)	
	9	MKB	GKP 0210	Remote Sensing of Hydrology and Watershed Management (practicum)	1	E	GKP 3210 (A/S), GKP 2206 (L)	
	10	MKB	GKP 3211	Remote Sensing for Urban Survey	2	E	GKP 2206 (L)	
	11	MKB	GKP 0211	Remote Sensing for Urban Survey (practicum)	1	E	GKP 3211 (A/S), GKP 2206 (L)	
	12	MKB	GKP 3306	Spatial Data Mining	2	E	GKP 2206 (A), GKP 3304 (A)	
	13	MKB	GKP 0306	Spatial Data Mining (practicum)	1	E	GKP 3306 (A/S), GKP 2206 (A), GKP 3304 (A)	
14	MKK	GEL 2107	Soil, Erosion Survey, and Conservation Planning	2	E	GEL 2104 (A)		
15	MKK	GEL 0107	Soil, Erosion Survey, and Conservation Planning (practicum)	1	E	GEL 0107 (A/S), GEL 2104 (A)		
TOTAL ELECTIVE COURSES					15	TOTAL:	26	

7 TH SEMESTER	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MKK	GKP 4001	Research Proposal	2	C	
	2	MKK	GKP 4002	Research Proposal Seminar	1	C	≥100 SKS
	TOTAL COMPULSORY COURSES					3	
3	MKB	GKP 4110	Visualization of Geospatial Information	3	E	GKP 2105 (L), GKP 3106 (A), GKP 3108 (A), GKP 1202 (A), GKP 2301 (A)	

4	MKB	GKP 0110	Visualization of Geospatial Information (practicum)	1	E	GKP 4110 (A/S), GKP 2105 (L), GKP 3106 (A), GKP 3108 (A), GKP 1202 (A), GKP 2301 (A)
5	MKB	GKP 4212	Image-Based Terrain Analysis and Evaluation	2	E	GKP 3209 (A), GKP 3304 (A)
6	MKB	GKP 0212	Image-Based Terrain Analysis and Evaluation (practicum)	1	E	GKP 4212 (A/S), GKP 3209 (A), GKP 3304 (A)
7	MKB	GKP 4213	Coastal and Ocean Remote Sensing	2	E	GKP 2206 (L), GEL 2108 (A)
8	MKB	GKP 0213	Coastal and Ocean Remote Sensing (practicum)	1	E	GKP 4213 (A/S), GKP 2206 (L), GEL 2108 (A)
9	MKB	GKP 4214	Remote Sensing of Atmosphere and Climate Change	2	E	GKP 2206 (L), GEL 1201 (A)
10	MKB	GKP 4215	Geoinformation of Health	2	E	GKP 3304 (A), GKP 2206 (A), GKP 2105 (A)
11	MKB	GKP 4216	Remote Sensing and GIS for Regional Development	2	E	GKP 3208 (A), GKP 3209 (A), GKP 3210 (A), GKP 2301 (L)
12	MKB	GKP 4307	Geospatial Information Technology	2	E	GKP 1202 (L), GKP 2105 (L), GKP 3304 (A)
13	MKB	GKP 0307	Geospatial Information Technology (practicum)	1	E	GKP 4307 (A/S), GKP 1202 (L), GKP 2105 (L), GKP 3304 (A)
14	MPB	GEO 3001	Entrepreneurship	2	E	
15	MPK	GEO 4003	Contextual Religion Study	2	E	
TOTAL ELECTIVE COURSES				23	TOTAL:	26

8 TH SMSTR	No	Type	Code	Courses	SKS	Status	Pre-requisite
	1	MPB	GKP 4004	Undergraduate Thesis	6	C	
	TOTAL COMPULSORY COURSES				6		
	2	MBB	GKP 4003	Internship	3	E	
TOTAL ELECTIVE COURSES				3	TOTAL	9	