

Department of **Geomatics Engineering**
Graduate – Geomatics Engineering
FACULTY OF CIVIL ENGINEERING AND PLANNING
INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)

Smt	Code	Courses	Credits
1	RG2201	Statistical and Probability Application	2
1	RG2202	Spatial Data Programming	2
1	RG2204	Map Projection and Coordinate System	2
1	RG2303	Satellite Geodesy Application	3
2	RG2205	Cartography and Digital Mapping	2
2	RG2208	Research Method	3
2	RG2306	Advanced Geographic Information System	3
2	RG2307	Remote Sensing Satellite Image Analysis	3
3	RG2411	Geopastial Information Infrastructure Management**	2
3	RG2412	Regional Design**	2

Smt	Code	Courses	Credits
3	RG2413	Modern Photogrammetry**	2
3	RG2414	Spatial Data Conversion**	2
3	RG2415	Spatial Economy Socio**	2
3	RG2416	High Resolution Image Processing**	2
3	RG2417	Global Position Determination System Data Analysis**	2
3	RG2418	Geodynamic and Deformation Analysis**	2
3	RG2419	Terestris Data Survey Engineering**	2
3	RG2420	Geology and Geophysics Application**	2
3	RG2421	Earth Gravity Modeling**	2
3	RG2422	Land Development**	2
3	RG2423	Taxation Information System**	2

Smt	Code	Courses	Credits
3	RG2424	Taxation Administration System**	2
3	RG2426	Land Registration System**	2
3	RG2427	Hydrographic Survey Engineering**	2
3	RG2428	Advanced Physical Oceanography**	2
3	RG2429	Geodetic Aspect for Marine Law Determination**	2
3	RG3425	Advanced Marine Cadastre**	2
4	RG2210	Management Information System	2
4	RG2509	Thesis	6

* Select one of those with stars

** Elective courses