

Remote Sensing and Geographic Information Systems
School of Engineering and Technology
Asian Institute of Technology, Thailand
Courses to be offered

Course Code	List of Courses/ Semester	Credits	Course Instructor(s)	Remarks
1st Semester (August - December)				
AT76.01	Geographic Information Systems (GIS)	3(2-3)	Prof. Nitin K. Tripathi	Required course
AT76.03	Remote Sensing	3(2-3)	Dr. Salvatore Virdis	Required course
AT76.14	Digital Photogrammetry	2(1-3)	Visiting Faculty	Elective course
AT76.22	Web GIS Technology	2(1-3)	Dr. Sarawut Ninsawat	Elective course
AT76.24	Introduction to Spatial information Engineering	1(1-0)	Dr. Apichon Witayangkurn	Elective course
AT76.25	Aerospace Technology	2(2-0)	Visiting Faculty	Elective course
AT76.28	Principles and Application of InSAR	1(1-0)	Dr. Salvatore Virdis	Elective course
AT79.29	Positioning and Location-Based Services Technology	1(1-0)	Dr. Sarawut Ninsawat	Elective course
AT76.9029	Introduction to Global Navigation Satellite Systems	1(1-0)	Dr. Hiroyuki Miyazaki	Selected Topic
2nd Semester (January – May)				
AT76.01	Geographic Information Systems (GIS)	3(2-3)	Prof. Nitin K. Tripathi	Required course
AT76.03	Remote Sensing	3(2-3)	Dr. Salvatore Virdis	Required course
AT76.09	Digital Image Processing in Remote Sensing	3(2-3)	Dr. Sarawut Ninsawat	Required course
AT76.15	Microwave Remote Sensing	2(2-0)	Visiting Faculty	Elective course
AT76.18	Advance Mapping Techniques	2(2-0)	Dr. Hiroyuki Miyazaki	Elective course
AT76.19	Advance Spatial Analysis Methods	3(2-3)	Prof. Nitin K. Tripathi	Elective course
AT76.21	Data Modeling for Geospatial Information	1(1-0)	Dr. Hiroyuki Miyazaki	Elective course
AT76.27	Geospatial Modelling for Environment	2(1-3)	Dr. Chitrini Mozumder	Elective course
AT76.30	Unmanned Aerial Vehicle Application and Processing	1(1-0)	Dr. Sarawut Ninsawat	Elective course
AT76.31	Research Methodology in Geoinformatics	1(1-0)	Dr. Chitrini Mozumder	Elective course
AT76.9039	Spacecraft Dynamics and Control	1(1-0)	Visiting Faculty	Selected Topic
Inter Semester (June – July)				
AT76.13	Remote Sensing Data Analysis	2(1-3)	Dr. Salvatore G.P. Virdis	Elective course
AT76.23	Free and Open Source Software and for Geospatial Analysis	2(1-3)	Dr. Sarawut Ninsawat	Elective course
AT76.26	Geospatial Data Processing and Management	2(1-3)	Dr. Apichon Witayangkurn	Elective course
AT76.20	GIS Programming and Modeling	3(2-3)	Prof. Nitin K. Tripathi	Elective course
3rd , 4th Semester (August – May)				
AT61.01xx	Master Thesis	1-22	Instructor	Thesis course
AT61.02xx	Master Research Study	1-10	Instructor	Research Study
Completed 26 Credits of coursework and 22 credits of Master Thesis				
Completed 38 Credits of coursework and 10 credits of Research Study				