

Marine map making and geodesy

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VT26

W		Start	End	Topic	Type	Room	Teacher
4	Mon 19/1	09:00	09:15	Introduction	OBL	U27	RG
		09:15	12:00	Digital processing of geodata	L	U27	RG
		13:00	16:00	Pre-study in script programming	Exc	U27	RG
	Tue 20/1	10:00	12:00	The computer/storage of data in the computer	L	U27	RG
		13:00	16:00	Script programming Python - Tutorial Wiki-book	Exc	U27	RG
	Wed 21/1	10:00	12:00	Python 1 + 2 - variable assignment, floats, while & if loops	L	U27	RG
		13:00	16:00	Script programming Python	Exc	U28	RG
	Thu 22/1	10:00	11:00	Python 3 + 4 - functions, var. casting, breaking loops	L	U27	RG
		11:00	16:00	Script programming Python	Exc	U27	RG
	Fri 23/1	10:00	11:00	Python 5 + 6 -slicing, string format, file I/O, iterations	L	U27	RG
11:00		16:00	Script programming Python	Exc	U27	RG	
5	Mon 26/1	10:00	12:00	Introduction to GIS / QGIS Software	L	U27	RG
		13:00	16:00	GIS - database connection & visualization	Exc	U13	RG
	Tue 27/1	10:00	12:00	Coordinate systems and geodetic datums	L	U27	RG
		13:00	16:00	GIS - CRS + contouring manual & automatic	Exc	U27	RG
	Wed 28/1	10:00	12:00	Terrain modelling theory I - gridding, nyquist, aliasing	L	U27	RG
		13:00	16:00	GIS - analysis & queries	Exc	U13	RG
	Thu 29/1	10:00	12:00	Terrain modelling theory II - gridding algorithms	L	U27	RG
		13:00	16:00	Terrain modelling - introduction, aliasing, contouring	Exc	U27	RG
	Fri 30/1	10:00	12:00	Basic Geophysics - gravity theory and measurements	L	U27	RG
		13:00	16:00	Terrain modelling - gridding dense & sparse data	Exc	U27	RG
6	Mon 2/2	10:00	12:00	Geodesy in marine mapping I - general geodesy	L	U27	RG
		13:00	16:00	Terrain modelling - gridding dense & sparse data	Exc	U13	RG
	Tue 3/2	10:00	12:00	Geodesy in marine mapping II - vertical datum handling: Geoid-/Orthometric-/ Ellipsoidal height		U27	RG
		13:00	16:00	Terrain modelling 3D-visualisation	Exc	U27	
	Wed 4/2	10:00	12:00	Geodesy 1 - Fundamentals of Linear Algebra in Geodesy	L	U27	MA
		13:00	16:00	Geodesy - exercise set 1	Exc	U13	MA, RG
	Thu 5/2	10:00	12:00	Geodesy 2 - Geopotential and Geoidal Modelling	L	Y11	MA
		13:00	16:00	Geodesy - exercise set 2	Exc	Y11	MA, RG
	Fri 6/2	10:00	12:00	Geodesy 3 - Coordinate Systems for Positioning	L	U27	MA
		13:00	16:00	Geodesy - exercise set 3	Exc	U27	MA, RG
7	Mon 9/2	10:00	12:00	Basic cartography - map visualization	L	U27	RG
		13:00	16:00	Exercise work GIS, Terrain, Python, Geodesy	Exc	U13	RG
	Tue 10/2	10:00	12:00	Exercise work GIS, Terrain, Python, Geodesy	Exc	U27	RG
		13:00	16:00	Exercise work GIS, Terrain, Python, Geodesy	Exc	U27	RG
	Wed 11/2	10:00	12:00	Geodesy 4 - Geodetic Datums and Reference Frames	L	U10	MA
		13:00	16:00	Geodesy - exercise set 4	Exc	U13	MA, RG
	Thu 12/2	10:00	12:00	Geodesy 5 - Geodetic Computations on the Ellipsoid	L	U27	MA
		13:00	16:00	Geodesy - exercise set 5	Exc	U27	MA, RG
	Fri 13/2	10:00	12:00	Geodesy 6 - Three-Dimensional Geodetic Modelling	L	U27	MA
		13:00	16:00	Geodesy - exercise set 6	Exc	U27	MA, RG
8	Mon 16/2	10:00	12:00	Questions & repetition	L	U27	RG
		13:00	16:00	Reading		U27	
	Tue 17/2	10:00	16:00	Reading			
	Wed 18/2	09:00	14:00	Written exam + report delivery deadline 23:59	EXAM	U13	

L = Lecture Exc = Exercise

RG = Richard Gyllencreutz, MA = Majid Abrehdary