

**Faculty of Geosciences**  
**Sense making of GPS Data in a GIS Environment**  
**08.07.2024 – 12.07.2024 – DRAFT PLANNING**

Course Director: *Dr. Tom de Jong*

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Location: Vening Meinesz A building (VMA) GIS zaal, room 1.14, Princetonlaan 8a, 3584 CB Utrecht

## Week 1

Saturday and Sunday, 06/07/2024 and 07/07/2024		
Time	Activity	Description
12:00-18:00	Key pick up	<i>More information about the key pick up in the pre-departure information, which becomes available after you have paid the course fee.</i>

Monday, 08/07/2024		
Time	Activity	Description
09.30 – 10.00	Course registration	Vening Meinesz A building (VMA), room 1.14
10.00 – 11.30	Lecture	Introduction to the course: Introduction to GPS & GIS; Import of GPS data, Simple Visualization; Tracks & Base Maps
11.30 – 13.00	Supervised Fieldwork	GPS data collection
13.00 – 14.00	Lunch	<i>Bring your own lunch</i>
14.00 – 16.30	Practical	Fieldwork Importing and Visualization of GPS data
16.30 – 17.00	Question Time	Interactive session
17.00 – 19.00	Unsupervised Practical	Catchup Daily Exercises
17.00 – 24.00	Unsupervised Fieldwork	GPS data collection

Tuesday, 09/07/2024		
Time	Activity	Description
09.00 – 10.00	Review	Review of student work
10.00 – 11.00	Lecture	Advanced Visualization of GPS data with ArcMap Tracking Analyst & ArcMap Time Tool
11.00 – 12.00	Guest Lecture VMA 1.15	Dr Johan van Rensburg, Stellenbosch: GPS and road pricing
12.00 – 13.00	Lunch	<i>Bring your own lunch</i>
13.00 – 15.00	Practical	Advanced Visualization of GPS data with ArcMap Tracking Analyst & ArcMap Time Tool
15.00 – 16.00	Guest Lecture VMA 1.10	Dr Justin van Dijk, London: GPS, GIS and reducing the carbon footprint
16.00 – 19.30	Unsupervised Practical	Catchup Daily Exercises
19.30	<i>Social Programme</i>	<i>Please check the website (<a href="http://www.utrechtsummerschool.nl">www.utrechtsummerschool.nl</a>)</i>

In black: compulsory

In blue: optional (free)

In green: optional (additional costs; registration through the Utrecht Summer School website)

## Wednesday, 10/07/2024

<i>Time</i>	<i>Activity</i>	<i>Description</i>
09.00 – 10.00	Review	Review of student work
10.00 – 11.00	Lecture	Identifying 'Stop' Locations with Simple Spatial Cluster Analysis, Characterization of moves with proximity and overlay techniques
11.00 – 12.00	Guest Lectures VMA 1.14	Dr Marco Helbich, Utrecht: GPS to explore environmental exposures on children's active school travel. Dr Wei Lai, Utrecht: Measuring environmental exposures in people's activity space: The need to account for travel modes and exposure decay
12.00 – 13.00	Lunch	<i>Bring your own lunch</i>
13.00 – 16.30	Practical	Identifying 'Stop' Locations with Simple Spatial Cluster Analysis, Characterization of moves with proximity and overlay techniques
16.30 – 19.00	Practical VMA 1.16	Missing Maps session (Free Pizza included!)

## Thursday, 11/07/2024

<i>Time</i>	<i>Activity</i>	<i>Description</i>
09.00 – 10.00	Review	Review of student work
10.00 – 11.00	Lecture	Route reconstruction
11.00 – 12.00	Guest Lecture VMA 1.14	Dr S.Scheider, Utrecht: GPS and Analysis with GIS
12.00 – 13.00	Lunch	<i>Bring your own lunch</i>
13.00 – 16.30	Practical	Route reconstruction
16.30 – 19.00	Unsupervised Practical	Catchup Daily Exercises
19.00-	<i>Social Programme</i>	<i>Please check the website (<a href="http://www.utrechtsummerschool.nl">www.utrechtsummerschool.nl</a>)</i>

## Friday, 12/07/2024

<i>Time</i>	<i>Activity</i>	<i>Description</i>
09.00 – 10.00	Review	Review of student work
10.00 – 12.00	Practical	Catch Up and group discussion of student data/research
12.00 – 13.00	Lunch, formal closure, and certificates	Offered by the faculty of Geosciences
13.00 – 16.00	Practical	Continuation Catch Up and individual discussion of student data/research

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