

Faculty of Geosciences

Introduction to GIS for Human and Behavioral Scientists

08.07.2019 - 12.07.2019

DRAFT

Course Director: *Dr. Tom de Jong*

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Location: Vening Meinesz A building (VMA), room 1.16, Princetonlaan 8a, 3584 CB Utrecht

Week 1

| Saturday and Sunday, 06/07/2019 and 07/07/2019 | | |
|--|-------------|--|
| Time | Activity | Description |
| 12:00-18:00 | Key pick up | More information about the key pick up in the pre-departure information, which becomes available after you have paid the course fee. |

| Monday, 08/07/2019 | | |
|--------------------|-----------------------------------|--|
| Time | Activity | Description |
| 10.00-10.30 | Course registration | Walk-in coffee and providing course materials <i>Location: Janskerkhof 2-3, room 013, On opposite site of the street of the Utrecht Summerschool Office</i> |
| 10.30-11.15 | Opening geosciences summer school | Official opening by Mirjam van Deutekom, Information on the Faculty of Geosciences, practical matters, programme outline and other activities |
| 11.30-12.15 | Course introduction | Introduction to the Course, Group formation <i>Tom de Jong</i> |
| 12.15-13.15 | Lunch | <i>Bring your own lunch</i> |
| 13.15-14.00 | Lecture (room 1.14 VMA building) | Thematic Map Making: Data Visualization; Basics of GIS, Principles of Thematic Map Making, Data Availability <i>Tom de Jong</i> |
| 14.00-16.30 | Practical | Practical - Data Visualization |
| 16.30-17.00 | Question time | Reserved for General and Specific GIS/Course related Questions <i>Staff/Students</i> |
| 17.00-19.00 | Welcome drink by EGEA | <i>Location: Bar Domkop (Loeff Berchmakerstraat 34, 3512 TD Utrecht)</i> |

| Tuesday, 09/07/2019 | | |
|---------------------|---------------|---|
| Time | Activity | Description |
| 9.00-10.00 | Presentation | Thematic Map Making; Student Groups present results from exercises <i>Students</i> |
| 10.00-10.30 | Lecture | Introduction to Data Collection; Data Collection, GPS tracking, Onscreen digitizing, Geocoding, Reverse Geocoding <i>Tom de Jong</i> |
| 10.30-11.30 | Walk | Fieldwork <i>Tom de Jong</i> |
| 11.30-12.15 | Practical | Data processing <i>Staff</i> |
| 12.15-13.15 | Lunch | <i>Bring your own lunch</i> |
| 13.15-17.00 | Practical | Data Collection <i>Staff</i> |
| 17.00-18.00 | Question time | Reserved for General and Specific GIS/Course related Questions <i>Staff/Students</i> |
| 18.00-19.00 | Catch Up | Unsupervised |

| Wednesday, 10/07/2019 | | |
|-----------------------|--------------|--|
| Time | Activity | Description |
| 9.00-10.00 | Presentation | Data collection; Thematic Map Making; Student Groups present results from exercises <i>Students</i> |
| 10.00-11.00 | Lecture | GIS/GPS and Bio Sciences; Examples, techniques and applications from the field of |

In black: compulsory

In blue: optional (free)

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

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|-------------|--|---|
| | | conservation biology; How GPS tracker data and landscape feature visualization can create insight in human-wildlife conflicts and conservation planning in fragmented ecosystems. <i>Michelle Kral</i> |
| 11.00-12.00 | Lecture | GIS/GPS and Human Sciences; Principles of GPS Tracking, GPS applications in Human Sciences, Animation <i>Tom de Jong</i> |
| 12.00-12.30 | Practical | Mapping Movements <i>Staff</i> |
| 12.30-13.15 | Lunch | <i>Bring your own lunch</i> |
| 13.15-16.00 | Practical | Mapping Movements <i>Staff</i> |
| 17.00-20.00 | <i>Opening Ceremony Utrecht Summerschool</i> | <i>Eat & Drink, Listen & Applaud in Janskerk (Church next to office USS)</i> |

Thursday, 11/07/2019

| Time | Activity | Description |
|-------------|---------------|--|
| 9.00-10.00 | Presentation | Mapping Movements; Thematic Map Making; Student Groups present results from exercises <i>Students</i> |
| 10.00-11.00 | Lecture | GIS Analysis; Basics of GIS Analysis based on Vector Data; Spatial Proximity Analysis, Spatial Overlap Analysis <i>Simon Scheider</i> |
| 11.00-12.30 | Practical | GIS Analysis <i>Staff</i> |
| 12.30-13.30 | Lunch | <i>Bring your own lunch</i> |
| 13.15-17.00 | Practical | GIS Analysis <i>Staff</i> |
| 17.00-18.00 | Question time | Reserved for General and Specific GIS/Course related Questions <i>Staff/Students</i> |
| 18.00-19.00 | Catch Up | Unsupervised |

Friday, 12/07/2019

| Time | Activity | Description |
|-------------|---------------------|--|
| 9.00-10.00 | Presentation | GIS Analysis; Student Groups present results from exercises <i>Students</i> |
| 10.00-10.30 | Lecture | Tips on Poster Preparation <i>Tom de Jong</i> |
| 10.30-12.30 | Practical | Poster presentation <i>Staff</i> |
| 12.30-13.15 | Lunch | <i>Offered by the faculty of Geosciences</i> |
| 13.15-14.00 | Poster presentation | Student Groups present results from exercises |
| 14.00-14.30 | Certificates | Participants will receive a certificate <i>Tom de Jong</i> |
| 14.30-17.00 | Practical | Process your own data; Work on your personal project/data |

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