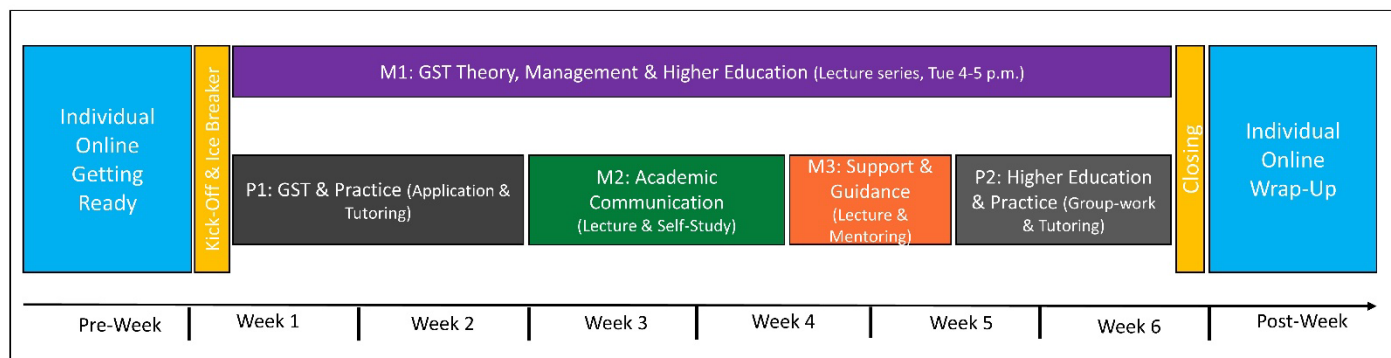


## Outline of the "GeoTraining" digital summer school concept for 2022.

The duration of the digital summer school is six weeks. It starts on August 29 and ends on October 7. The individual workload of the online modules varies from 9 to 17 hours (1 h of work = 1 ePoint). Asynchronous teaching and learning formats with hands-on material will dominate to facilitate a way of work flexible as to time and place for the scholarship holders (e.g. at university, at home, in co-working spaces). At the same time, synchronous elements such as videoconferences are applied. We will use the learning platform Moodle to organize the teaching and learning formats and coordinate the participants' learning activities. Videoconferences are hosted on Zoom, which is available at Goethe University due to a corresponding license. The following figure shows the structure of the digital GeoTraining 2022.



Contents and sequence of the GeoTraining 2022 training programme (M = Online Module, P = Online Practice with hands-on sessions, tutoring, and self-study)

### Individual Online Getting Ready

During this pre-week phase of "online socialization" with the Moodle learning environment, scholarship holders are supported by our web-tutors available on-demand.

### Kick-Off

The Kick-Off constitutes the official beginning of the digital summer school and consists of three parts (30-minute informal get-together / 45-minute formal introduction / 30-minute getting-to-know-each-other) altogether with Ice-Breaker events.

### M 1: Lecture Series Geospatial Technologies: Theory, Management & Higher Education (12 ePoints), Weeks 1-6

Synchronous learning. Learning formats are one-hour online presentations that participants can follow every Tuesday over the course of the summer school. The presentations cover a wide range of central technological, methodological and societal aspects of current developments of geospatial technology in science, global data management, and higher education. All sessions provide a mixture of knowledge input, short examples of application and discussions.

### P 1: GST & Practice (17 ePoints), Weeks 1-2

Synchronous learning. Scholarship holders work hands-on with geospatial data to complete small practical tasks with R studio. Synchronous communication (videoconferencing on Zoom) is used for interactions (e.g. instructions, questions and discussions). Further support is provided through scheduled online tutorials.

### M 2: Academic Communication (15 ePoints), Weeks 3-4

Synchronous and asynchronous learning. Synchronous communication (videoconferences on Zoom) is used for interactions (e.g., questions and discussions). Asynchronous communication is the case during times that scholarship holders work on material provided on Moodle.

### M 3: Support and Guidance (9 ePoints), Weeks 4-5

Synchronous and asynchronous learning. Besides content knowledge, all scholarship holders are counseled by mentors (experienced African professors) in individual video conferences regarding their future academic career planning.

### P 2: Higher Education & Practice (12 ePoints), Week 5-6

Synchronous learning. Synchronous communication (videoconferences in Zoom) is used for interactions (e.g., instructions, questions, and discussions). Subsequently, scholarship holders work in groups to create learning content for Open Educational Resources. Support is provided through synchronous tutorials.

### Closing and individual Online Wrap-Up

The Closing Session constitutes the end of the summer school. A pointed emphasis of the whole event and an open feedback round are planned. Simultaneously, the evaluation of the advanced training programme takes place. Digital certifications are presented and post-event contributed via e-mail. During the individual Online "Wrap-Up", scholarship holders are supported by web-tutors available on-demand.