

TABLE OF CONTENTS

[<previous](#) - [next>](#)

This module, about reference systems, is based on teaching materials prepared by Naftali Kadmon and Richard Knippers and a website, developed by the latter on [Geometric aspects of mapping](#) (ITC - Twente Technical University). These teaching materials are made available in the "[documents](#)" section. Our credits go out to Richard Knippers for putting so much material at our disposal.

The module contains the following chapters:

- [Introduction](#)
- [Chapter 1: The geographical **graticule** and **topographic grid**](#)
- [Chapter 2: **Projection** systems](#)
- [Chapter 3: **Plane rectangular coordinate** systems](#)
- [Chapter 4: **Coordinate transformations**](#)
- [Chapter 5: **Satellite-based** positioning](#)

When reading through the following pages, you will come across some unusual terms. These terms are hyperlinked to the UNGEGN [Glossary of Terminology](#) ([pdf](#)). Behind each term a number (#) is given that corresponds to the numbering applied in this glossary, e.g. [toponymy](#) (#344).

For exercises and documents (and literature) on this topic see respectively the "[Exercises](#)" and/or the "[Documents](#)" section of this module.

The complete module can be downloaded [here](#).

Home
|
[Self study](#)
:
[Reference systems](#)
|
[Contents](#)
|
[Intro](#)
|
[1.Graticule / topographic grid](#)
|
[2.Projection Systems \(a/b/c/d\)](#)
|
[3.Planerectangular coordinate systems \(a/b\)](#)
|
[4.Coordinate transformations](#)
|
[5.Satellite-based positioning \(a/b\)](#)

[<previous](#) - [next>](#)