

PART 1 Basic Land Navigation

- The Lensatic Compass
 - *parts and features
 - *how to sight the lensatic compass
 - *compass to cheek & center-hold method
- The Topographic Map
 - *map margin information and scale
 - *map symbols and language
 - *map folding and care
- The Land and Map Association
 - *map direction and distance
 - *contour lines and terrain relief features
 - *what topo and actual land features show

PART 2 Intermediate Land Navigation

- Making Sense of Direction
 - *current bearing and lateral error (drift)
 - *baseline and back azimuth
 - *deliberate offset
- Tracking Present Location
 - *resection, intersection, triangulation
 - *convert map to compass language
 - *plotting present location with protractor
- Determining Travel Distance
 - *determine route and slope distance
 - *pace count and travel speed
 - *estimating travel distance

PART 3 Advance Land Navigation

- Planning to Navigate
 - *group or alone and equipment
 - *safety and responsibilities
 - *route selection
- Navigation Methods to Stay On Course
 - *reference points
 - *advanced baselines
 - *thumbing the map
- Additional Skills of Land Navigation
 - *estimating how much daylight is left
 - *binocular internal compass/rangefinder
 - *estimate distance with compass miles
 - *draw a map using compass as a surveyor
 - *rest step, rhythmic breathing
 - *blisters - preventing
 - *weather prediction

PART 4 Expert Land Navigation

- Navigation in different types of Terrain
 - *dead reckoning
 - *deserts (mountain, rocky plateau, dunes)
 - *jungle
 - *snow and arctic
 - *fog and low visibility
- Night Navigation
 - *dark adaptation
 - *protecting night vision
 - *scanning the terrain
 - *traveling at night
 - *night navigation with lensatic compass
- Sustainment
 - *sustainment program
 - *train-the-trainer program
 - *set up a land navigation course

LAND NAVIGATION WITH MAP AND LENSATIC COMPASS



Why learn LAND NAVIGATION?

Training & practicing land navigation on foot provides (how not to get lost) benefits. Just knowing these four basic skills, it is **IMPOSSIBLE TO BE TOTALLY LOST**.

READING TOPO MAP
SENSE OF DIRECTION
DETERMINING DISTANCE
TRACKING PRESENT LOCATION

The best way to learn **LAND NAVIGATION** is to get "**dirt time**".
That is... get out there with a map and compass!

The lessons are **FREE** and informative and can be used to teach yourself and others in the knowledge of "**LAND NAVIGATION with MAP and LENSATIC COMPASS**".

NOTE: By downloading any of these files, YOU AGREE to use the information on these files responsibly, correctly, sensibly, properly, acceptably, safely, and with the mindset that "SAFETY FIRST" at all times, and that you are solely responsible for how you use all materials downloaded from this site.

FREE DOWNLOADS at LANDNAVIGATION.ORG

