

Course outline :

## I. FUNDAMENTAL DEFINITIONS

## II. GEOLOGICAL MAP

### 1- Terrain Notation

- a) Sedimentary terrains
- b) Igneous terrains
- c) Metamorphic terrains

### 2 - Structure Notation

### 3 - Other Conventional Symbols

### 4 - Map Legend

## III. GEOLOGICAL CROSS-SECTION

### 1- Principle

### 2- Conventional Representations

## IV. GEOMETRIC PROPERTIES OF ROCK STRATA

### 1- Dip and Strike of a Layer

### 2 - Real and Apparent Thickness

## V. REPRESENTATION OF GEOLOGICAL LAYERS

## VI. GEOLOGICAL STRUCTURES

### 1- Tabular Structures

### 2- Monocline Structures

### 3- Folded Structures

### 4- Fault Structures

### 5- Discordant Structures