

Salahaddin University - Erbil
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Stratigraphy

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Lab1

About The

Standard Symbols for measuring stratigraphic section

1-Lithologic Symbols

2-Fossils Symbols

3-Sedimentary Structures Symbols

Lab2

- Sequencing of geological events
- principle of original horizontality
- principle of inclusions**
- principle of Cross- Cutting Relationships**
- principle of Lateral continuity**
- principle of Original Horizontality**

Lab3

Stratigraphical Units

- **Lithostratigraphic units**

- are **bodies of rocks, bedded or unbedded**, that are defined and characterized on the basis of their lithologic properties and their stratigraphic relations.

- **Biostratigraphic units (biozones)** are **bodies of rock strata that are defined or characterized on the basis of their contained geochronological time scale fossils.**

- **Chronostratigraphic units**

Lab4-5

Correlation

-Correlation of Lithostratigraphic Units

-Correlation of Biostratigraphic Units

-Time Stratigraphic Correlation

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Lab6

Measuring and describing Stratigraphical section

- Surface stratigraphical section
- Subsurface stratigraphical section

A-Geophysical methods

B--Well data

- Well logs
- Well samples

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LAB7-8

Depositional history

Facies

A-Facies Aggradations

B-Facies Retrogradation

C-Facies progradation



Thanks