

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Stratigraphy
Course number	GEOL3314
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Studying the stratigraphic successions
2 - Environmental depositions
3 - Main events of historical geology of studied areas

Intended Learning Outcomes

Knowledge and Understanding	* Have enough knowledg about
	* The stratigraphic succe
	* Economic recources

Course Contents

1 - Acquisition of stratigraphical data (surface and subsurface methods) stratig- units, tabulation of stratigraphical databases for the determination of the relative age of geologic events, geological structures, sedimentary cycles, tectonic phases, sedimentary environments. Processes of the stratigraphic synthesis
2 - Practical part Measuring stratigraphic sections in the field, stratigraphic analysis, exercise on correlation and stratigraphical mapping

Teaching and Learning Methods

1 - Explanation and discussion with presentation devices
2 - Exercises in Lab and field trips

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Final term exam	In sixteenth week	10
Second term exa	In eleventh week	10
Exercises and practical assignments	lab and field teststrips	10
Final practical exam	In fourteenth week	20
Final term exam	In sixteenth week	50

Books and References

Essential books	Boggs. S.J. 1987. Principles of Sedimentology and Stratigraphy. Macmillan Publishing Company, New York
Recommended books	Nichols, G. 2009. Sedimentology and Stratigraphy. Wiley-Blackwell, Chichester, England Koutsoukos, E.A.M. 2005. Applied Stratigraphy. Springer, The Netherlands Catuneanu, O. Principles of Sequence Stratigraphy. Elsevier, The Netherlands