



جامعة سوهاج

كلية العلوم

قسم الجيولوجيا

## قائمة بعناوين أبحاث قسم الجيولوجيا لطلاب الفرق المختلفة عن العام الجامعي 2020//2019 التيرم الثانى

م	اسم المادة	كود المقرر	الفرقة	اسم البرنامج	القائم بالتدريس	عنوان البحث
1	Special course (iv)	354 G	الثالثة	الجيوفيزياء	أ.د/عبدالباسط ابوضيف	1- Introduction to Electromagnetic method
						2- Types of ground penetration radar instrumentaion
						3- Interpretation of ground penetration Radar data
						4- Applications of graound penetration Radar data
2	Paleontology	322 G	الثالثة	الجيولوجيا عامه	د/ميران مصطفى خلف	1- Introduction to palynology and what is the palynomorph
						2- Morphology & taxonomy of spores/pollen grains and methods of separation
						3-Applications of palynology (palaecoclimate and palaenvironment)

4-Applications (palynofacies and HC potential)						
1- introduction to historical geology and the relationship to other geoscience	د/ ميران مصطفى خلف	الجيولوجيا تشعيب	الثالثة	324 G	Historical geology	3
2- The origins of the Earth, theories explaining the origin of the Earth and the evolution of life						
3-Important events experienced by the earth's crust during the early Palaeozoic Era						
4- Important events experienced by the earth's crust during the late Palaeozoic Era						
5- Important events experienced by the earth's crust during the Mesozoic Era						
1-Coarse grained terrigenous rocks: classifications and depositional environments	أ.د/ توفيق محمد مهران	الجيولوجيا تشعيب	الثالثة	316 G	Sedimentary rocks II	4
2- Algal laminites, stromatolites and oncolitic carbonates						
3-Provenance, petrography and tectonic settings of medium grained clastic rocks						
4- Non-marine carbonates: types and depositional environments						
5-Dolomites and models of dolomitization						
1- A) Precipitation and rainfall in Egypt. B) Evolution of petroleum which comprize: i) Relative age ii) Physical and chemical factors which lead to the transformation of organic matter into petroleum						

2- A) Groundwater aquifers of Egypt B) The geochemical environments which are favorite for the organic matter for transformation into petroleum	أ.د/ فاروق عبد الرحمن أ. د/ ايمن عبد الحميد	جميع الشعب	الثالثة	346 G	Hydrogeology and petroleum geology	5
3- A) Flash floods (Runoff) in Egypt B) Volume of the reservoirs and the formation volume factor in the oil reserves estimates and write down the final equation						
1- a) Measurements of gravity at sea, b) Magnetic surveys at sea, c) Seismic waves and their types d) Vertical electrical sounding and horizontal electrical profiling						
2- a) The density logger b) Surveys of airborne magnetometer c) Surface Waves and their types d) Advantages and limitations of resistivity method	أ.د/ فاروق عبد الرحمن أ.د/ محسن محمد عطيه د/ محمد عاطف السيد	الجيوفيزياء	الثالثة	342 G	Geophysics ii	6
3- a) Gravity measurements of land b) Magnetic survey on land c) Body waves and their types d) Origin of self-potential and the field requirements for the measurement of SP						
1- a) LaCoste and Romberg gravity meters and Worden gravity meter b) The magnetic gradiometer c) Microtremor survey method d) Elastic moduli and geotechnical properties of the foundation materials						
2- a) Instruments for measuring gravity at sea b) Mechanism of optical pumping magnetometer (Rubidium-caesium vapor) c) Common configurations of 2D electrical resistivity imaging d) Applications of seismic refraction method	أ.د/ فاروق عبد الرحمن د/ محمد عاطف السيد	الجيوفيزياء	الثالثة	344 G	Applied Geophysics	8
3- a) Borehole gravity meters b) Schmidt-type magnetic field balance and the Fluxgate magnetometer c) Four different applications of resistivity method d) Advantages and limitations of seismic refraction method						
1- Well disinfection						

2- Groundwater wells	أ.د/ صبحي محمد فهم د/ أحمد محمد مسعود	الجيولوجيا	الثالثة	352 G	Special course ii	9
3- Groundwater aquifers in the Nile Valley and Delta						
4- Nubian Sandstone Aquifer in Egypt						
1-Metamorphic facies	أ.د/ عصران محمد حسن	جميع الشعب	الثالثة	318 G	Metamorphic rocks II	10
2-Metamorphic rocks classification and nomenclature						
3- Regional metamorphism and its products						
4-Thermal metamorphism and its products						
5-Phase rule for metamorphism and metamorphic reactions	أ.د/ محسن محمد عطية و أ.د/ عبدالله محمد حسن	الجيولوجيا	الثالثة	320 G	Diagenesis and special course	11
1-Earthquakes parameters, Diagenetic fabrics						
2-Secondary effects of earthquakes, Dolomitization						
3-Tectonic boundaries, Sandstone diagenesis						

1- Sedimentary environments	ا.د/ عبد الحميد الشاطر	الجيولوجيا	الثانية	216 G	Sedimentary rocks (i)	12
2- Sedimentary structures						
3- Sedimentary Textures						
1-Metamorphic rock textures	د/ خالد عبدالفضيل	جميع الشعب	الثانية	218 G	Metamorphic rocks (i)	13
2-Agents and kinds of Metamorphism						
3- Metamorphic minerals						
4- Diagenesis and metamorphism						
1-Terzaghi's rockmass classification, Field measurements	أ.د/عبد الحميد الشاطر و أ.د/ عبدالله محمد حسن	الجيولوجيا	الثانية	232 G	Rock mechanics and field geology	14
2-Types of discontinuities, Field observations						
3-Orders of rock descriptions, Geologic mapping project						
1- The polarizing microscope and silicate structures and mineral groups.	ا.د/ رمضان بخير و د/ احمد عبدالرشيد	الجيولوجيا	الاولى	112 G	Optical mineralogy and mineralogy	15
2- Interpretation of twinning under cross nicols and tectosilicate minerals.						
3- Optical indicatrix of minerals and rock-forming minerals of igneous rocks.						

4- Study of minerals coossed polars (nicols) and metamorphic minerals						
5- The study of minerals under convergent light and accessory minerals						