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| **DEPARTMENT OF PETROLEUM ENGINEERING****Geology Laboratory** مختبر الجيولوجيا يتم فيه ندريس الطلبة على الخصائص الطبوغرافية ودراسة علم البلورات وايضا دراسة خواص المعادن والصخور ودراسة الخرائط الجيولوجية ويحتوي المختبر على العديد من النماذج الصخرية لمختلف انوع الصخور الرسوبية والمتحولة والنارية **DEPARTMENT OF PETROLEUM ENGINEERING****Computer program Lab**مختبر الحاسبات يختص ببحتواءه على العديد من الحاسبات الحديثة والتي تقدم للطالب مختلف البرامجيات التي تنفع الطلبة في المرحلة الاولى والثانية والرابعة وكذلك الطلبة في مرحلة البحث:

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| 2 |  | Mud Rheology Test |  |
| 3 |  | Contamination of Water-Based Drilling Fluids |  |
| 4 |  | Filtration, Wall Building and Resistivity |  |
| 5 |  | Drilling Fluid Contamination Test |  |
| 6 |  | Solid, Liquid Content and Emulsion Characteristic of Drilling Fluids |  |
| 7 |  | Oil Well Cementing Experiments |  |
| 8 |  | Electrical Stability \_ES\_  |  |
| 9 |  | Gel strength by Fann VG meter |  |
| 10 |  | Thinner |  |
| 11 |  | Yield of clay in fresh water |  |
| 12 |  | EP \_Extreme Pressure\_ and Lubricity Tester |  |
|  |  |  |  |
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**DEPARTMENT OF PETROLEUM ENGINEERING****Drilling fluids Laboratory Experiments**مختبر اطيان الحفر يعتني بقياس الخصائص والمواصفات للاطيان المستعملة في حفر الابار النفطية والتجارب ادناه اهم التجارب التي تعطى للطلبة على مدار العام الدراسي:

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| 8 |  | Smoke Point |  |
| 9 |  | Aniline Point |  |
| 10 |  | Cloud and Pour Point |  |
| 11 |  | Vapor pressure |  |
| 12 |  | Carbon contain  |  |
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**PETROLEUM PROPERTIES LABORATORY****DEPARTMENT OF PETROLEUM ENGINEERING**مختبر خواص النفط يعتني بقياس الخصائص والمواصفات للنفط الخام والمنتجات النفطية والتجارب ادناه اهم التجارب التي تعطى للطلبة على مدار العام الدراسي:**CONTENTS** |
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| 9 |  | dead weight tester |  |
| 10 |  | Determination Of Z-Factors |  |
| 11 |  | Bubble Point Measurement  |  |
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**DEPARTMENT OF PETROLEUM ENGINEERING**

**Reservoirs Laboratory Experiments**

مختبر المكامن النفطية يعتني بقياس الخصائص والمواصفات للصخور والموائع المكمنية والتجارب ادناه اهم التجارب التي تعطى للطلبة على مدار العام الدراسي: