

Rock Physics and Quantitative Seismic Interpretation

교육목적	<ul style="list-style-type: none"> ▪ 암석물리이론의 습득을 통한 QSI의 이해 ▪ 검층자료를 이용한 암석물리모델 활용 ▪ 유체치환 및 AVO 분석을 통한 Facies 예측 									
교육시간	30시간	교육기관	공주대학교	강사	김영석교수	선수과정	-	관련직무	저류지구물리, 암석물리, 저류층평가 및 관리	
교육대상자	직무 담당자	교육인원	15명	평가방법	출석률 및 필기평가	외부 공개여부	0	관련역량	Formation Evaluation and Petrophysics, Reservoir Characterization & Modeling Simulation	
교육 상세내용										
1일차	Module 1: Introduction to QSI <ul style="list-style-type: none"> ▪ Rock Physics and Petrophysics ▪ Petrophysical Rock Model ▪ Reservoir Properties from Well logging and Lab Measurements ▪ Multiphase Fluid Flow 									
2일차	Module 2: Rock Physics Theory <ul style="list-style-type: none"> ▪ Seismic Velocity ▪ Parameters affecting Seismic Velocity ▪ Effective Medium Model ▪ Cementation and Sorting Trends 									
3일차	Module 3: Fluid Effect and AVO <ul style="list-style-type: none"> ▪ Fluid Effect on Seismic Velocity ▪ Gassmann Equation: Fluid Substitution ▪ AVO Basics ▪ AVO-related Domain Analysis 									
4일차	Module 4: Rock Physics Analysis <ul style="list-style-type: none"> ▪ Seismic Lithofacies ▪ Vp-porosity (Sorting and Diagenesis) Analysis ▪ Fluid Sensitivity Analysis ▪ Fluid Discrimination Analysis 									
5일차	Module 5: QSI Examples <ul style="list-style-type: none"> ▪ Rock Physics Template Example ▪ Reservoir Delineation using Seismic Lithofacies ▪ Carbonate Reservoir Examples and Difficulties ▪ Conclusion 									