

Practical Seismic Acquisition & Processing							
교육목적	<ul style="list-style-type: none"> <li>Seismic data acquisition and processing are the most cost-effective way for imaging the Earth's subsurface for exploration and exploitation of oil and gas. This course will cover underlying concepts and techniques for acquiring seismic data in the field and transforming them into seismic images that can represent geologic features of the subsurface. It will also discuss a few research topics to advance current techniques.</li> </ul>						
교육시간	16시간	교육기관	YK Geophysics	강사	김영창 박사	선수과정	-
교육대상자	G&G	교육인원	명	평가방법	출석률	외부 공개여부	0
교육 상세내용							
1일차	<b>Module 1: Overview &amp; Fundamentals</b> <ul style="list-style-type: none"> <li>Objectives of seismic data acquisition and processing</li> <li>Technical challenges</li> <li>Fundamental concepts and associated mathematics</li> </ul>						
2일차	<b>Module 2: Land data acquisition and preprocessing</b> <ul style="list-style-type: none"> <li>Acquisition geometry</li> <li>Field test to optimize parameters</li> <li>Noise attenuation</li> <li>Statics</li> </ul>						
3일차	<b>Module 3: Marine data acquisition and preprocessing</b> <ul style="list-style-type: none"> <li>Basic configuration</li> <li>Wide/Full azimuth acquisition</li> <li>Wavelet shaping and deghosting</li> <li>Demultiple techniques</li> </ul>						
4일차	<b>Module 4: Seismic imaging</b> <ul style="list-style-type: none"> <li>Velocity model building techniques</li> <li>Comparison of migration algorithms</li> <li>Anisotropic imaging</li> <li>Azimuthal corrections</li> </ul> <b>Module 5: Advanced techniques and current research topics</b> <ul style="list-style-type: none"> <li>Multiple sources</li> <li>Simultaneous sources and deblending</li> <li>Multi-component measurements and interpolation</li> <li>Random sampling</li> </ul>						



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## Education

- 1978 Ph.D in Electrical Eng., the University of Texas at Austin
- 1974 M.S in Electrical Eng., the University of Texas at Austin
- 1972 B.S in Electronics Eng., Seoul National University

## Career

- 2009 ~ Present Chief Geophysical Consultant, SK E&P
- 2009 ~ Present Present President, YK Geophysics
- 2005 ~ 2009 Vice President, TGS-NOPEC Geophysical Company
- 2002 ~ 2005 Technical Advisor, ExxonMobil Exploration Company
- 1997 ~ 2002 Research Supervisor, ExxonMobil Upstream Research CO.