

## Seismic Summer School Teaching Schedule Monday August 7 – Friday August 11, 2006

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
9-10	Margrave Overview of Seismic Imaging	Ursenbach 3-D scattering inversion (Kirchhoff)	Ursenbach Scattering inversion (Kirchhoff) for general recording geometries	Sacchi Linear inverse problems. From filter design to least squares migration II	Sacchi Linear inverse problems. From filter design to least squares migration III
10:30-11:30	Lamoureux Wave equation mathematics I	Colton The Direct Scattering Problem	Colton The Linear Sampling Method in Inverse Scattering Theory	Colton Target Identification of Partially Coated Objects	Margrave Gabor and pseudodifferential methods in wave- equation imaging
1:30-2:30	Ursenbach 1-D scattering inversion (Kirchhoff)	Lamoureux Wave equation mathematics III	Ferguson Wave-equation migration practice	Margrave Phase-space methods in wave-equation imaging	
3:00-4:00	Lamoureux Wave equation mathematics II	Ferguson Wave-equation migration theory	Sacchi Linear inverse problems. From filter design to least-squares migration I	Ferguson Wave-equation migration examples	