

**Raster GIS: An Integrated short course on Remote Sensing Technology and Education for early stage researchers,  
Organized by National Centre of Excellence in Geology, University of Peshawar on May 26-June 4, 2014**

Day/Time	9:00-10:00	10:00-11:00	Break	11:30-12:30	12:30-1:30	
<b>Monday (26-05-2014)</b>	<b>Welcome Note and Intro to Centre -</b> Prof. Dr. M. Tahir Shah	<b>Scope of Geographic Information System (GIS) -</b> Prof. Dr. M. Asif Khan			<b>Intoduction to Remote Sensing -</b> Prof. Dr. Tazeem Khan	<b>Introduction to Spatial Data and its Attributes -</b> Prof. Dr. Tazeem Khan
<b>Tuesday (27-05-2014)</b>	<b>Aerial Photography -</b> Mr. Shah F Khan	<b>Photogrammetry -</b> Mr. Shah F Khan			<b>Introduction to ERDAS Imagine -</b> Mr. M Waqas Javed	<b>Tools for Image interpretation -Mr.</b> M Waqas Javed
<b>Wednesday (28-05-2014)</b>	<b>History of Remote Sensing Mr.</b> Shah F Khan	<b>Electromagnetic Radiation</b> Mr. Shah F Khan			<b>Exploring the satellite data -</b> Mr. M Waqas Javed	<b>Viewing Different Bands -</b> Mr. M Waqas Javed
<b>Thursday (29-05-2014)</b>	<b>Sensors-</b> Mr. Shah F Khan	<b>Image Interpretation Techniques -</b> Mr. Shah F Khan			<b>Dealing with Images of Different resoultion -</b> Mr. M Waqas Javed	<b>Extraction of the Spectral Information and Signatures -</b> Mr. M Waqas Javed
<b>Friday (30-05-2014)</b>	<b>Preprocessing of satellite data-</b> Mr. Shah F Khan	<b>Band Ratio and Vegetation indices -</b> Mr. Shah F Khan			<b>Band Combinations and Band Ratioing -</b> M. Waqas Javed	<b>Layer Stacking and AOI -</b> Mr. M. Waqas Javed
<b>Monday (02-06-2014)</b>	<b>Image Classification Techniques -</b> Shah F Khan	<b>Temporal analysis and suceptibility mapping -</b> Shah F Khan		<b>Accuracy Assessment -</b> Mr. M. Waqas Javed	<b>Creation of Signatures -</b> Mr. M. Waqas Javed	
<b>Tuesday (03-06-2014)</b>	<b>Flood Analysis -</b> Shah F Khan	<b>Watershed Management and Remote Sensing-</b> Mr. Wajid Ali		<b>Supervised &amp; Unsupervised Classification -</b> M Waqas Javed	<b>Error Matrix Calculation -</b> Mr. M Waqas Javed	
<b>Wednesday (04-06-2014)</b>	<b>Case Study and Field work (optional) - Mr. Shah Faisal and Mr. M Waqas Javed</b>					