



PHILIPPINE WEALTH ACCOUNTING AND VALUATION OF ECOSYSTEM SERVICES



Empowering members of Phil-WAVES Technical Working Group of Laguna Lake Development Authority through Geographic Information System

October 13 to 15, 2014

Course Outline Schedule

Topic	Instructor	Date and Time
Software Installations		October 13 8:30AM – 10:00AM
I. Introduction to GIS <ul style="list-style-type: none"> • Definition and brief history of GIS • Applications • Map basic: scale, projections and coordinate systems • Data structures: raster and vector • Data types and formats • GIS softwares 	For. Arnan B. Araza	October 13 10:00AM- 12:00PM
II. Running QGIS <ul style="list-style-type: none"> • Installation and interface • Creating and working in a project • Importing data and themes 	For. Arnan B. Araza	October 13 1:00PM-4:00PM
III. Data acquisition, Preparation, Processing <ul style="list-style-type: none"> • Georeferencing a scanned map • Projecting • Digitizing <i>Scanned Map</i> <i>Google Earth</i> • Geo-processing: <i>Clipping</i> <i>Masking</i> <i>Buffering</i> <i>Intersect</i> • Attribute editing <i>Adding Columns</i> <i>Geometric Computations</i> <i>Joining Tables</i> • Format conversion 	For. Arnan B. Araza	October 14 9:00AM-4:00PM

Recap of Yesterday's Exercises		October 15 9:00AM – 10:00AM
	For. Arnan B. Araza	
IV. Map Layout		10:00 AM- 12:00PM
V. Capturing Coordinates via GPS/Smartphones	For. Arnan B. Araza	October 15 1:00PM – 2:30PM
VI. Geo-tagging		2:30PM – 4:00PM

Softwares to be used and its download link (All freeware):

Desktop/Laptop:

1. Quantum GIS 2.2 (<http://qgis.org/downloads/>)
2. Google Earth (<http://www.google.com/earth/download/ge/agree.html>)
3. Picasa (<http://picasa.google.com/>)

Smartphones (Android):

1. Geo-cam
2. GPS Status
3. Locus or My Tracks