



National GeoTech Center (NGTC)

Initial Geospatial Technology

2011 Summer Workshop

(Collaborative efforts between SDSU and Southwestern College)

This workshop will introduce advanced geospatial technology (GIS, remote sensing, GPS, and cartography) and customizable geospatial learning modules for your own classes and students as well as textual materials.

Instructors: Anita & Roger Palmer, GISetc.

Hosts: Professor Ming Tsou, SDSU and Professor Ken Yanow, SWC

Location: San Diego State University, Geography SAL lab.

Date: July 18, 19, and 20, 2011

Time: 9:00AM – 4:00PM

Workshop Schedule:

DAY 1, July 18, Monday:

0900 **Opening & Introduction (Tsou and Yanow)**

0930-1030 **Session 1**

Country Cell Phone investigation (book2 Mod 1 part B) Inquiry process

1030-1045 **Break**

1045-1200 **Session 2**

Quakes! Thematic Mapping and pattern recognition (Book 2 Mod 2 Global)

Elevation profile tool

1200-1315 **Lunch (at the Faculty Club)**

1315-1430 **Session 3**

March in Time (Book 2 Mod 4 Global)

Zip code Webmapping

1430-1445 **Break**

1445-1600 **session 4**

World Populations (Book2 Mod 4 regional) Layout introduction

Gapminder

Economic modes of production (Book 2 Mod 6 Regional) Layout work

DAY 2, July 19, Tuesday:

0900-1030 Session 5

GPS intro,

Putting points on the map using add xy then exporting to shapefile

Digitizing points on a map and exporting to shapefile

Hot Spots Adding GPS tables from internet sources (Book 3 Mod 2)

Mapping GPS points for tracked animals (Whale Net)

1030-1045 Break

1045-1200 Session 6

Climate and Culture: South Asia (Book 2 Mod 3 Regional)

GPS Games: Measuring distances, Orienteering, Hide and Seek, Poker

1200-1315 Lunch (at the Faculty Club)

1315-1430 Session 7

Mapping MDG's (Book 3 Mod1) Joining data tables

Practice Joining Tables from State master

(Water world (Book 2 Mod 7) intro to map projections)

1430-1445 Break

1445-1600 Session 8

Web based GIS platforms

DAY 3, July 20, Wednesday:

0900-1030 session 9

Probeware and mapping Field data collection and visualization {TurtleRiver}

(Running Hot and Cold Book 2 Mod 3 global) graph work

1030-1045 Break

1045-1200 session 10

Pyramids of people (Book 3 Mod4) Joining data and creating graphs

(Probeware mapped data) Field data collection and visualization

1200-1315 Lunch (at the Faculty Club)

1315-1430 Session 11.

Trading Spaces (Book 3 Mod 5) Geoprocessing

(Crossing the line Book 2 Mod5 global)

1430-1445 Break

1445-1600 Discussion/Feedback and Closing (Tsou and Ken)