Module 1 - Basic introduction to using GIS software

Unit 06 - Laying out and printing maps

1 Learning outcomes
- Ability to layout and print maps using ArcView software
- Appreciate for fundamental of graphic design principles
- Appreciate of fundamental cartographic design issues

2 Activities and exercises

2.1 GIS and technical concepts introduced
- Map space to paper space scales
- Relationship of views to layouts
- Components of a map
- Map export formats

2.2 GIS functions taught
- Setting layout attributes
- Adding views and legends to a layout
- Adding tables, charts graphic and labels to a view
- Exporting maps

2.3 Teaching activities
- Demonstration of how to use specific buttons and menu items related to function detailed above, using the instructors computer linked to video projector
- Repetition of the acview functions by students using Lao national geographic data sets
- Conducting exercises specified below
- Provision of one on one tuition during the completion of student exercises

3 Exercises
Map layout exercises should comprise a review of functions taught in previous units. A task such as presenting the current education situation in Lao based on available indicator data should be set to the students. This exercise will review the skills throughout module 1 of the course. A series of maps based on data and thematic mapping selected by students should be laid out and printed as a final review exercise

4 Q and A
- A period of question and answer is provided during at the conclusion of the instructor lead demonstration and at the end of the

5 Summary and review of concepts and s/w functions
- Review of morning session at the start of the afternoon session
- Review of the days session including problems/issue identified in the afternoon session at the end of the afternoon
6 Materials and data

Materials
- Video projector
- White board
- Student handout – Unit 1 Module 06 Laying out and printing maps

Exercise data
At the instructors discretion

7 Sequence and timing
- To be delivered after unit 05
- 3 hours of class time for instructor-lead teaching session
- 3-4 hours in the afternoon, to complete exercises, explore arcview more deeply and review morning instruction

- Morning session used for instructor led teaching of functions and student practice of taught functions and command.
- Afternoons session are used to provided:
  - time to review morning session functions
  - to cover material not covered during the morning session
  - independent student practice to complete exercise – supervised by two instructor offering one on one tuition