GNSS Data processing

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This is an applied course on **GNSS Data Processing**

- Its design and contents are focused to understand in detail the functioning of GNSS Data Processing and how it applies to most of the applications.

- We will target on the instrumental use of the concepts and techniques involved in GNSS. Thence, most of the concepts and algorithms introduced in the theory will be developed in the Laboratory across guided exercises.

- The content of this course is about 50% theory and 50% laboratory exercises.
The Learning material is composed by a collection of slides for Theory & Laboratory exercises.

A book on GNSS Data Processing is given as complementary material.
SW Resources
(in case you want to work at home)

All data files and software used in the laboratory exercises are provided in a CD-ROM to install on a Laptop with Linux (Ubuntu), Operative System (OS).

In case of not having a computer with Linux you can use the bootable USB stick gAGE-GLUE.

After booting your with gAGE-GLUE, your laptop will become a computer with Linux (Ubuntu) OS, with a full environment ready to start working.
This tutorial has been designed to be executed under UNIX (Linux) Operative System (OS). Which is a very powerful and robust environment. Nevertheless, the necessary tools are provided for Windows or Macintosh users to install this software and to emulate a UNIX command line shell over Windows.

Linux users can install the native version of the software.

Windows users can install the windows version of gLAB and the Cygwin emulator of a Linux command shell.

Macintosh users can install the software through the Virtual Machine.
Evaluation

OPTIONS:

• Coursework (up to 8 points)
• Coursework + Reduced (1h) written final exam
• Full (3h) written final Exam.
Evaluation

The **course work** will be based in the **Laboratory Sessions** of Volume II following next rules:

1.- Form groups of 2 people to select one session (except Session 2.1 and Session 2.2).
2.- You have to solve all the exercises and make a report.
3.- The results shall be summarized in a 20 minutes public presentation with 10 minutes of open discussion.
Please, check the GNSS book Volume II and let me know before May 14th your selected option. In case of doing the coursework, tell me the group composition and the Session you will be working on.
http://www.gage.upc.edu

Here you can find News, Slides, Software and Working material
Campus Nord UPC: Dept. Matemàtiques
C3 Building, 2nd floor.
Main Bibliography


Thank you