

## **TRANSFERABLE SKILLS**

### **Presentation and Communication skills:**

Presentation and communication skills are developed in field courses such as ESR 301 Field geology through written reports and in graphical forms through preparation of preparation of geologic maps of specific areas.

Skills to communicate in written, graphical and oral manners are experienced through a series of scientific seminars on selected topics that represent modern study or research fields in structural geology and remote sensing (ESR 408 Seminar). In this course each student would be asked to perform a study and to prepare a report on a selected research topic and demonstrate his topic in a seminar using the up-to-date techniques.

### **Software Package**

Skills to use computer packages for word processing, graphical presentation, spreadsheets preparation, contouring, and data analysis are promoted through the teaching of course ESR 304 the geological data analysis. In this aspect software such as MS Word and MS Excel Surfer software are used.

In addition to these skills more specific software are used in courses ESR 311 Analysis of directional data and ESR 399 Training in the specialization. This specific package encompasses Georient, Spheristat, Fault-striae package, W-Net and Rose diagram. This software used in

- Plotting and analysis of orientational data.
- Fault-striae data analysis
- Geometric and kinematic analyses of structural elements.

Another sort of specific software such as ERDAS imagine and ARCVIEW are used in the acquisition of satellite data, rectification of digital satellite images, processing, analysis and interpretation of data, and GIS through ESR 421 Principles of Remote Sensing, ESR 423 Computer Processing of Satellite Data, and ESR 424 Remote Sensing in Environmental Geography.