



## Discipline Information

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The following dates are in (dd/mm/yyyy) format.

Code: GMG5828 - 7 Type: POS  
Name: Special Topics in Structural Geology II  
Concentration area: Geotectônica (44141)

### Approval dates:

CCP: 03/08/2015 CPG: 04/08/2015 CoPGr:

Activation date: 04/08/2015 Inactivation date:

### Workload:

Total: 60 h Theory: 15 h Practice: 0 h Study: 5 h

Credits: 4 Duration: 3 weeks

Professors: 1212210 - Maria Irene Bartolomeu Raposo - 04/08/2015 until today

### Objectives:

The discipline aims to develop specific methods, techniques and approaches in structural geology and tectonics, more particularly those related to the determination, of the petrofabric and microstructural aspects, whose emphasis each semester will depend on the demand and interest of students and the teachers at that time.

### Rationale:

There is a need for a discipline with a flexible structure that allows each semester to specific approach topics related to structural geology, mainly those related to petrofabric and microtectonics.

### Content:

01. Microtectonics. 02. Structural petrology of milonites and fault rocks. 03. Magnetic anisotropy of geological materials.

### Bibliography:

BUTLER, R.F. (1992) Paleomagnetism. Blackweel, Scientific Publications. 319p. PASSCHIER, C.W.; TROUW, R.A.J. (1996) Microtectonics. Springer, Verlag. 289p. TARLING, D.H.; HROUDA, F. (1993) The magnetic anisotropy of rocks. Chapman & Hall. 217p.; WENK, H.R. (1985) Preferred orientation in deformed metals and rocks: an introduction to modern textures analysis. Orlando, Academic Press. 610p

