

Dipartimento di Scienze e Tecnologie

ANNO ACCADEMICO 2017/2018

**L.M. IN SCIENZE E TECNOLOGIE GEOLOGICHE
TECNICHE DI GEOLOGIA STRUTTURALE**

TEACHER Prof. BRUNO MASSA

- I. The brittle deformation of rocks.
- II. Earthquakes.
- III. Seismogenic structures and physical environment.
- IV. The representation of geological structures.
- V. Reconstruction of the stress field
- VI. Regional geology: an overview.
- VII. Modelling of geological processes.

REFERENCES

- Cox A., Hart B. R. (1986) -Plate Tectonics: How It Works- Blackwell Publishing.
- Hubbert, M.K., (1937) -Theory of scale models as applied to the study of geologic structures. Bulletin of the geological Society of America, 48, 1459-1520.
- Kearey P. & Vine F.J. - Tettonica globale, Zanichelli.
- Lisle R.J. & Leyshon P.R. - Stereographic projection techniques, Cambridge.
- Pinter N. & Keller E. -Active Tectonics: Earthquakes, Uplift, and Landscape, Prentice Hall.
- Ranalli, G., (2001) -Experimental tectonics: from Sir James Hall to the present. Journal of Geodynamics 32, 65-76.
- Scholz C.H. - The Mechanics of Earthquakes and Faulting, Cambridge.
- Twiss & Moores -Structural Geology - Freeman & Company.
- Further information on the most suitable bibliographic sources for exam preparation will be provided during the course. The most part of the recommended bibliographic material can be found at the DST Library located at Via dei Mulini (Benevento). Online catalog at the following URL: <http://polosbn.bnnonline.it/SebinaOpac/Opac?sysb = NAP04>