PHYSICAL PROCESSES IN THE OCEAN

Credits: 5,0 ECTS

Brief description of contents:

- Mesoscale processes
- Upwellings
- Coastline influence: long waves, mean sea level and nonlinear interaction processes
- Nonlinear waves and statistical analysis with ROM
- Dynamics of deep ocean circulation: deep circulation and climate change
- Dynamics of surface circulation
- Remote sensing applied to oceanography
- Case study of regional interest (practical classes)
- Programming with Matlab (practical classes)
- Time series analysis (practical classes)
- Remote sensing: application in oceanography (practical classes)

Evaluation system:

SYSTEM	WEIGHT
Written or oral exams	40 – 60
Presentation of exercises, topics and projects	40 – 60