



SCHOOL PLAN

University Unit: Engineering school
Graduate program: Geospatial Sciences and Applications
Course: [X] Academic Master [] Professional Master's [X] Doctorate degree
Discipline: Space Geophysics
Teacher(s): Jean Pierre Raulin, Emilia Correia
Note: Required course for the Doctorate and optional for the Master.
Workload: 48 h Credits: 4 [X] Required [X] Optional [] Eleffective
Description: The upper atmosphere, ionosphere, plasmasphere, magnetosphere and the interplanetary environment consist of plasmas permeated by magnetic fields...
Program content: List of themes, subjects and concepts that will be studied in the stage.
Evaluation criteria: According to the General Regulation of Stricto Sensu Post-Graduation, Art. 98: A - excellent: corresponds to grades in the interval between grades 9 and 10; B - good: corresponds to grades in the interval between grades 8 and 8.9; C - regular: corresponds to grades in the interval between grades 7 and 7.9; R - disapproved: corresponds to grades in the interval between degrees 0 and 6.9 "



Bibliography:

"Introduction to Space Physics" , Kivelson, M.G. e Russel, C.T., Cambridge University Press, 1995.

"Ionospheric Radio Propagation", Davies, K., Dover, 1965.

"Ionospheres: physics, plasma physics and chemistry". Schunk, R. W., Nagy, A. F., Cambridge University Press, 2004.

Complementary:

"AFCRL Handbook of Geophysics and Space Environment" , Valley, S.L., AFCRL, USAF, 1965.

"Handbook of Atmospherics" , Volland, H, CRC Press, 1985.

"The solar-terrestrial environment", Hargreaves, J. K. Cambridge University Press, 1992

Schedule

Date	Theme