



SCHOOL PLAN

University Unit: Engineering school
Graduate program: Geospatial Sciences and Applications
Curse: [X] Academic Master [] Professional Master's [X] Doctorate degree
Discipline : Cosmology and Quasars
Teacher (s): Luiz Cláudio Lima Botti
Note: The Geospatial Science and Applications Program is multidisciplinary...
Workload: 48 h Credits: 4 [] Required [X] Optional [] Eleffective
Description: Study of cosmology's observational context: Radiation, Hubble expansion, dark matter, large-scale structure...
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:

An Introduction to the Science of Cosmology”, Raines, D. e Thomas, T., IOP Publishing, 2001.
Quasar Astronomy. Weedman, D.W. Cambridge Astrophysics Series, 1986
Introduction to Cosmology, Ryden, B., Addison Wesley, 2003
Modern Cosmology, Dodelson, S., Academic Press, 2003.
The Universe: A Biography. Penguin Group. Gribbin, J., 2005
Einstein Gravity in a Nutshell. Princeton University Press. Zee, A., 2013.
Beams and Jets in Astrophysics. Cambridge Astrophysics Series, 19. Hughes, P.A., 1991.
Teoria do Campo, Landau, L., Lifchitz, E.. Hemus- Livraria Editora,
Einstein's General Theory of Relativity, with Modern Applications in Cosmology”, Grøn Ø. e Hervik, S., Springer, 2007.
Physical Foundations of Cosmology”, Mukhanov, V., Cambridge University Press, 2003.
Fundamentals of Cosmology”, Rich, J., Springer, 2001.
Cosmology - The Origin and Evolution of Cosmic Structure”, Coles, P. e Lucchin, F., Wiley, 1995.
Beams and Jets in Astrophysics”, Hughes, P.A., Cambridge Astrophysics Series, 1991.
The Philosophy of Space and Time, Dover Publications, INC, New York. Reichenbach, H. 1958

Schedule

Date	Theme