

Disciplina: INTRODUCTION ON BIOMEDICAL ENGINEERING

IBE	4 Créditos
Ementa:	Historical perspective; Ethic issues; Basic knowledge of Anatomy&Physiology, Rehabilitation and Tissue Engineering, Bioinstrumentation, Biomedical Sensors, Biosignal Processing, Bioelectric Phenomena, Physiological Modelling, Bioinformatics, Medical Imaging and Biomedical Optics and Lasers.
Bibliografia	JOHN D. ENDERLE, JOSEPH D. BRONZINO. Introduction to Biomedical Engineering. Editora Elsevier, 3a edição, 2012. BRONZINO, J.D. The Biomedical Engineering Handbook, 2 Bände cplt, 2000. WEBSTER, J.G. Medical Instrumentation: Application and Design. 2nd ed. Boston: Houghton Mifflin Co., 1992. SPERELAKIS, N.; BANKS, R.O. (ed.) "Physiology", Little Brown & Co., Boston, USA, 1993. BRONZINO, J. D. "Management of Medical Technology: A Primer for Clinical Engineers", Butterworth-Heinemann, 1992.