

**Disciplina: ELECTRONIC INSTRUMENTATION**

<b>ELI</b>	<b>4 Créditos</b>
<b>Ementa:</b>	Fundamentals of signals; Introduction on sensors and transducers; Main concepts for signal conditioners; principal integrated circuits for signal conversion; Standard systems for signal acquisition.
<b>Bibliografia</b>	JOHNSON, Curtis D. Process control instrumentation technology. 7thed. NewJersey: PrenticeHall, c2003. 694p.: ISBN 0130602485(enc.). LIPTÁK, Bela G. INSTRUMENTATION, SYSTEMS, AND AUTOMATION SOCIETY. Instrument engineers' handbook. 4thed. New York: CRC, c2003. 2v. ISBN v. 10849310830: v.208. PATON, Barry E. Sensors, transducers, & LabView: an application approach to learning virtual instrumentation. 1ed. New Jersey: Prentice Hall PTR, 1998. 316p. ISBN 0130811556. COLLINS, Steve. INSTRUMENTATION AND COMPUTER CONTROL SYSTEMS SENSORS AND SIGNAL CONDITIONING. Michaelmas Term, 2012, 138p. Ebook. Walt Boyes. Instrumentation Reference Book. 4thed. Oxford: Elsevier, 2010, 929 p. ISBN: 978-0-7506- 8308-1. DUNN, William C. Fundamentals of Industrial Instrumentation and Process Control. McGraw-Hill eBook, 2005, 337 p. DOI: 10.1036/0071466932. John G. Wbster. Measurement, Instrumentation, and Sensors Handbook. CRCPress LLC,1999, 2588 p.