

Disciplina: SENSORS AND TRANSDUCERS

SAT	4 Créditos
Ementa:	Introduction on measurement systems; Temperature transducers; Strain Gauges; Position transducers; Velocity and acceleration transducers; Optical transducers; Integrated transducers; Introduction to signal conditioning.
Bibliografia	GARETT, P. H. Advanced Instrumentation and Computer I/O Design: Real-Time System Computer Interface Engineering, IEEE Press Marketing, New York, p. 1-178, 1994 JOHNSON, C. D. Process Control Instrumentation Technology, Prentice Hall, oitava edição, New Jersey, 694 pp., 2006. PATON, Barry E. Sensors, transducers, & LabView: an application approach to learning virtual instrumentation. 1 ed. New Jersey: Prentice Hall PTR, 1998. 316 p. ISBN 0130811556. WERNECK, Marcelo Martins. Transdutores e interfaces. 1 ed. Rio de Janeiro: LTC, 1996. 225 p. ISBN 8521610521. BALBINOT, Alexandre.; BRUSAMARELLO, Valner João. Instrumentação e fundamentos de medidas. Rio de Janeiro: LTC, 2006. ISBN 8521614969.