Disciplina: PROCESSAMENTO DE SINAIS EM ENGENHARIA BIOMÉDICA

PSEB	**4 Créditos**
Ementa:	Caracterização e classificação de sinais biomédicos, métodos de processamento de sinais contínuos e discretos (filtros), métodos de análise de sinais (transformada de Fourier), algoritmos para análise de sinais (FFT, STFT, espectrograma), filtros digitais.
Bibliografia	Oppenheim, R. W. Schafer, Buck, J. R.. Discrete-time signal processing, 2a Edição, Prentice-Hall, Nova Iorque, 1999. Blinowska, K.J., Żygierewicz, J., Practical Biomedical Signal Analysis Using MATLAB®, Series in Medical Physics and Biomedical Engineering, CRC Press, 2021. Obeid, I. (editor), Picone, J. (editor), Selesnick, I. (editor), Biomedical Sensing and Analysis: Signal Processing in Medicine and Biology, Springer, 2022. Kim, K., Conceptual Digital Signal Processing with MATLAB, Series: Signals and Communication Technology, Springer, 2021. Little, M. A., Machine Learning for Signal Processing: Data Science, Algorithms, and Computational Statistics, Oxford University Press, 2019. Sejdić, E.,Falk, T. H.,Signal Processing and Machine Learning for Biomedical Big Data, CRC Press, 2018. Literatura buscada em jornais científicos.