



**Armed Forces Academy
of General Milan Rastislav Stefanik
Demanova 393, 031 06 Liptovsky Mikulas**

ERASMUS offer for incoming students

Department	Electronics
Subject/ title	Signal processing
Credits	4 ECTS
Hours	30
Level (Bachelor/master)	Bachelor
Tutor(s)	Doc. RNDr. František Nebus, PhD.
Exam type	Written exam (test)
Description	The aim of this subject is to provide students with the common understanding of the basic theories, principles and practice of analog and digital signal processing and some practical examples of measurement and evaluation.
Teaching Content	Signal nature, interpretation and signal systems. Deterministic and stochastic signal analysis methods. Systems characteristics and signals filtration. Signal analysis examples and measurement.
Reading materials	1. Signal Processing for Communications, by P.Prandoni and M. Vetterli, © 2008, EPFL Press 2. https://www.mathworks.com/help/signal/ 3. The Scientist and Engineer's Guide to Digital Signal processing Second Edition by Steven W. Smith ISBN 0-9660176-6-8
Remarks	