UNIVERSITY OF PANNONIA

COURSE DATASHEET

Semester:	2016/17/1
Course:	Java Programming
Code:	VEMIIR2254J
Responsible department:	Department of Electrical Engineering and Information Systems
Department code:	MIVIR
Responsible instructor:	Dr. Zoltán Juhász

Course objectives:

The aim of the course is to introduce students to programming in the Java programming language, understand the importance of the Java Platform, reinforce object-oriented design and coding skills learnt in pre-requisite courses and give hands-on programming opportunity to students to learn how to produce working programs.

Course content:

The course covers the main topics of the Java Standard Edition platform with extra elements from the Java Micro Edition and Enterprise Edition platforms. Main areas covered are: Java syntax, classes and objects, programming in the large, object-oriented modelling, packages and modularity, interfaces, exception handling, I/O classes, network programming, using threads and concurrency control, collections, the Swing graphical user interface framework, client-server programming, resource-constrained devices, Midlet programming, Java Micro Edition classes for I/O, user interface and networking.

Requirements, evaluation and grading:

Assessment is based on practical work; there is no exam for this course. Consequently, the course requires continuous study and programming work from the students. Several small programs (in the range of 2-4) are written during practicals that form the basis of the assessment. Students must complete each designated programming exercises. Students not submitting the exercises in the required number will automatically fail the course. Valid submissions are marked and the final mark is computed as the average of the exercise marks. Provisional marking scale (may change according to actual mark distribution) points final mark above 80 excellent (5) 70-79 good (4)

Required and recommended readings:

Official Java tutorial, handouts and Internet literature