# TEACHING PROGRAMMING IN TEACHER TRAINING

## Kosta Garov, Stefka Aneva, Elena Todorova

**Abstract.** *This current paper is dedicated to the teaching of Programming in teacher training at the Faculty of Mathematics and Informatics at the University of Plovdiv "Paisii Hilendarski". The programming courses take a leading role in the curricula for the bachelor programs "Mathematics, Informatics and Information Technologies" and "Information Technologies, Mathematics and Education Management", the master programs "Teaching Informatics and Information Technologies at school" and "Pedagogy of teaching Informatics and Information Technologies" and the qualification "Teacher in Informatics and Information Technologies". In this work are analyzed current curricula in Informatics for the corresponding majors and master programs. Several ideas are presented for the methodology of teaching Programming and Computer Modeling, aimed at the middle schools. Various approaches are presented for creating the elements of the methodical apparatus.*

**Key words:** Programming, informatics, computer modeling, teaching methodology.

Kosta Garov[1], Stefka Aneva[2], Elena Todorova[3],
[1,2,3] University of Plovdiv Paisii Hilendarski,
Faculty of Mathematics and Informatics,
24 Tzar Asen St, 4000 Plovdiv, Bulgaria
Corresponding author: `kosgar@uni-plovdiv.bg`