## Content

List of figures / 7

List of tables / 7

Preface / 9

## INTRODUCTION / 11

## 1 DIGITAL TECHNOLOGY IN EDUCATIONAL PROCESS / 15

- 1.1 The use of digital technologies in the educational process / 17
- 1.2 The need for digital technologies in the educational process / 20
- 1.3 Information society and modern school / 21
  - 1.4 Digital technologies and their function in education / 25
  - 1.5 Digital learning in the school / 26

## 2 INFORMATION SOCIETY AND EDUCATIONAL PROCESS / 33

- 2.1 Trends in education and the use of digital technologies / 34
- 2.2 Digital technologies as didactical means / 35
- 2.3 Educational software evaluation / 37
- 2.4 The impact of digital technologies on education / 43
- 2.5 Positive and negative in the use of technologies in education / 44

# 3 DIGITAL LITERACY AND ITS IMPORTANCE IN THE INFORMATION SOCIETY / 47

- 3.1 Information literacy / 48
- 3.2 Computer literacy / 51
- 3.3 Electronic literacy / 55
- 3.4 Media literacy / 56

### 4 DISTANCE EDUCATION / 63

- 4.1 Characteristics of distance learning / 67
- 4.2 Specifics and objectives of distance learning / 69
- 4.3 Advantages and disadvantages of distance learning / 71
- 4.4 Applying the principles of distance learning / 73

### 5 E-LEARNING AS A FORM OF FUTURE EDUCATION / 75

- 5.1 Definition of e-learning / 78
- 5.2 E-learning as a learning management tool / 82
- 5.3 Learning management system / 86
- 5.4 Comparison of competitive LMS / 88
  - 5.4.1 LMS Moodle / 89
  - 5.4.2 LMS Eduland / 90
  - 5.4.3 LMS eDoceo / 91
  - 5.4.4 LMS Docebo / 93
- 5.5 Education of managers / 94
- 5.6 Students and their future profession / 100
- 5.7 Information technology management / 102
- 5.8 ICT education requirements / 105

## 6 PEDAGOGICAL RESEARCH / 107

- 6.1 Research objectives / 107
- 6.2 Implementation of research / 108
- 6.3 Methods of obtaining and evaluating data / 109
- 6.4 Partial results of pedagogical experiment / 110
- 6.5 Recommendations for pedagogical practice / 113

#### CONCLUSION / 117

Bibliography / 121