



NEW BULGARIAN UNIVERSITY

MA ELECTRONIC HEALTHCARE

Brief presentation of the program:

The program is as an original combination of elements interdisciplinary focus: methods and tools for structuring and processing of health and medical information design and use of information systems in various areas of healthcare practice, telemedical solutions, development and testing, maintain and improve specialized health care databases and software tools.

eHealth targets to serve 4 main groups of users:

- Patients - to improve treatment, based on evidence-based medicine and active patient involvement in making decisions about their health
- Medical and healthcare professionals - for quick and easy access to information, diagnosis and complex remote interventions, as well as access to specialized resources for education and training;
- Healthcare managers - to facilitate access to and dissemination of best practices for healthcare planning and management for the benefit of patients and society
- Civil society - for better health education: healthy lifestyles, prevention, information on health status, resources and capabilities of the health system so that it can influence the management of the health system at local and national level.

Specialty and Professional Qualification:

Specialty: Electronic healthcare

Professional qualification: Master in eHealth

First year, First Semester

Basic courses

EHTM 100 The electronic healthcare - modern trends

30 h., 3 ECTS

EHTM 101 Electronic health record - theory, concepts and practices

30 h, 3 ECTS

EHTM 102 Healthcare soft skills

30 h., 3 ECTS

EHTM 103 Cyberlaw

30 h., 3 ECTS

EHTM 104 Organization of specialized intervention at persons with communication disorders

30h., 3 ECTS

EHTM 105 Corporate networks

30 h, 3 ECTS

EHTM 106 Programming with Python

30 h, 3 ECTS

Extracurricular credit courses

EHTM 110 Self-employment: "Working with multimedia products and software"

30 h., 3 ECTS

EHTM 111 Project: High-tech medicine

30 h, 3 ECTS,

EHTM 112 Seminar: "Resources of health information"

30 h, 3 ECTS

EHTM 113 Practice: Programming with Python

60 h. 6 ECTS

EHTM 114 Seminar: "Kiberpravo"

30 h, 3 ECTS

EHTM 115 Seminar: EHR worldwide

30 h, 3 ECTS

EHTD 116 Workshop: Specialized interventions at persons with communication disorders

30h., 3 ECTS

First year, Second Semester

Basic courses

EHTM 200 Online diagnostics, distance counseling and psychotherapeutic work

30 h., 3 ECTS

EHTM 201 Health psychology and technology

30 h., 3 ECTS

EHTM 202 Implementation of information systems in the health sector

30 h, 3 ECTS

EHTM 203 Intelligent Data Mining in Healthcare

30 h, 3 ECTS

EHTM 204 Global networks

30 h, 3 ECTS

EHTM 205 Quality management of healthcare systems

30 h., 3 ECTS

EHTM 206 Statistical methods in medicine and healthcare

30 h, 3 ECTS

Extracurricular credit courses

EHTM 210 Practice: "Development and Implementation of Information Systems in the Bulgarian Health Environment"

30 h, 3 ECTS

EHTM 211 Project "Data Mining" in health care

60 h., 6 ECTS

EHTM 212 Seminar "Online Psychotherapy"

30 h., 3 ECTS

EHTM 213 Seminar "Management of health systems"

30 h., 3 ECTS

EHTM 214 Seminar "Global networks eHealth"

30 h., 3 ECTS

EHTM 215 Project: Statistical Methods in Healthcare

60 h., 6 ECTS

EHTM 216 Seminar: Health psychology and technology

30 h., 3 ECTS

Second year, First Semester

Basic courses

EHTM 300 Development of mobile applications in medicine and healthcare
30 h, 3 ECTS

EHTM 301 Legal and ethical aspects of information technologies in healthcare
30 h, 3 ECTS

EHTM 302 Telemedicine and telehealth
30 h, 3 ECTS

EHTM 303 Project Management in electronic healthcare
30 h, 3 ECTS

EHTM 304 Communication with the patient and his family
30 h, 3 ECTS

EHTM 305 Decision support systems
30 h, 3 ECTS

EHTM 306 Animation as a tool for socialization at communication deviations / disorders
30 h., 3 ECTS

Extracurricular credit courses

EHTM 307 Internship
150 h., 15 ECTS

Preparatory semester

EHTM 001 Key ICT skills
30 h., 3 ECTS

TCMM 211 Introduction to Information and Communication Technologies
30 h., 3 ECTS

EHTM 002 Audit of knowledge and innovations
30 h., 3 ECTS

TCMM 024 Synthesis, design and modeling of systems
30 h., 3 ECTS

EHTM 003 Health models as part of health reform - past and future
30 h, 3 ECTS

EHTM 004 Health and Society
30h, 3 ECTS

Extracurricular credit courses

EHTM 005 Individual work: "eHealth in Bulgaria"
30 h, 3 ECTS

EHTM 006 Seminar: Information solutions in the healthcare sector
30 h, 3 ECTS

EHTM 007 ICT Key Skills Practice
30 h., 3 ECTS

EHTM 008 Seminar: Information Society Technologies
30 h., 3 ECTS

EHTM 009 Seminar: Audit of knowledge and innovation
30 h., 3 ECTS