



eLearning at the University of Banja Luka

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Univerzitet u Banjoj Luci

The Mission

The University of Banja Luka is a state university with a task to strengthen higher education and cultural activities according to the needs of the citizens of the Republic of Srpska (BiH). It contributes to the development of knowledge by transferring the results of its own and international research to the students and in practice. It plays a lead role in the development of culture and economy in the state

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General information

- University of Banja Luka has founded 1975.
- Largest University in Republic of Srpska and second largest in Bosnia and Herzegovina
- About 16.000 enrolled students
- About 970 employees
- Non-integrated model of university/ faculties have a full legal subjectivity (LB)

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University is consisted of 13 faculties:

- Academy of Arts
- Faculty of Architecture and Civil Engineering
- Faculty of Economics
- Faculty of Electrical Engineering
- Faculty of Mechanical Engineering
- Medical Faculty
- Faculty of Agriculture
- Faculty of Law
- Faculty of Natural Sciences and Mathematics
- Faculty of Chemical Engineering
- Faculty of Philosophy
- Faculty of Forestry
- Faculty of Physical Education

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Faculty of Electrical Engineering

- Established in 1962 (The oldest faculty at University of Banja Luka)
- Undergraduate studies – three divisions:
 - Computer Science and Information Technology
 - Electronics and Telecommunications
 - Power Engineering and Industrial Systems
- Four year / eight semester studies
- Experienced staff – 38 professors (15 full time) and 36 assistants
- 650 students / Enroll 160 freshmen/year
- The first reformed curriculum in accordance with Bologna – Bergen process

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Faculty of Natural Sciences and Mathematics

- Established in 1996
- Undergraduate studies – five divisions:
 - Mathematics and informatics
 - Biology
 - Physics
 - Geography
 - Chemistry
- Four year / eight semester studies
- Experienced staff – 52 professors (16 full time) and 48 assistants
- 1050 students / Enroll 320 freshmen/year
- Non reformed curriculum in accordance with Bologna – Bergen process

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eLearning premises at the University I

- Legislative changes of Law on Higher Education RS
- Quality Assurance system
- Financing for eLearning improvement
- Awareness of University teacher's about scope and benefits of eLearning
- Most of teacher's are not familiar with ICT (small amount of eContent)

eLearning premises at the University II

- ICT facilities aren't enough (gradient is positive)
 - University computers' network
 - Classroom's equipped with computers, LCD projectors, etc.
 - Some teacher's haven't PCs

eLearning facilities at the University

- 1999. The *Open and Distance Learning Centre (ODL)* established at Faculty of Electrical Engineering
- Developed web based, eLearning Platform for Curricula Support (*Learning CUBES™*) for the ODL Center activities.
- The Laboratory for Multimedia Communication (Videoconferencing system is in an operational stage) was established at Faculty of Electrical Engineering
- Videoconferencing systems are in an operational stage at Faculty of Medicine and Faculty of Technology as well.

Main characteristics of the *Learning CUBES™* software platform I

General characteristics

- Teachers and students (learners) can use *LC™* without high level knowledge of an ICT.
- Teachers and students (learners) can use *LC™* without high level knowledge of English language.
- *LC™* is a good support for a "classical" education process and/or distance learning.

Main characteristics of the *Learning CUBES™* software platform II

Different eContent forms

- The creation of a content's hierarchical structure.
- Defining of teaching calendar.
- Creating, organizing and updating different forms of eContent.

Main characteristics of the *Learning CUBES™* software platform III

Supervising of students' progress

- Access and time of access every element of course
- Control test with questions of multiple choice (accidental choice, number of attempts, date of access to the test, number of collected points, status,...)
- Homework / exercises (time table for the assessment, final date for the assessment, mark, status, students' comment)

Courses developed within Learning CUBES™ system



- Robotics and automation (Faculty of Electrical Engineering)

- Surgery (Medical Faculty)

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