A sunset over the ocean with a rocky shore in the foreground. The sky is filled with soft, golden light from the setting sun, which is partially obscured by clouds. The water is dark and choppy, with white foam from waves breaking against the shore. The rocks in the foreground are dark and silhouetted against the lighter water.

**You cannot discover new  
oceans  
unless you have the courage  
to lose sight of the shore.**

**European Computer Science Summit**

# **Implementation Strategy of New Technologies for Dennis Gabor College**

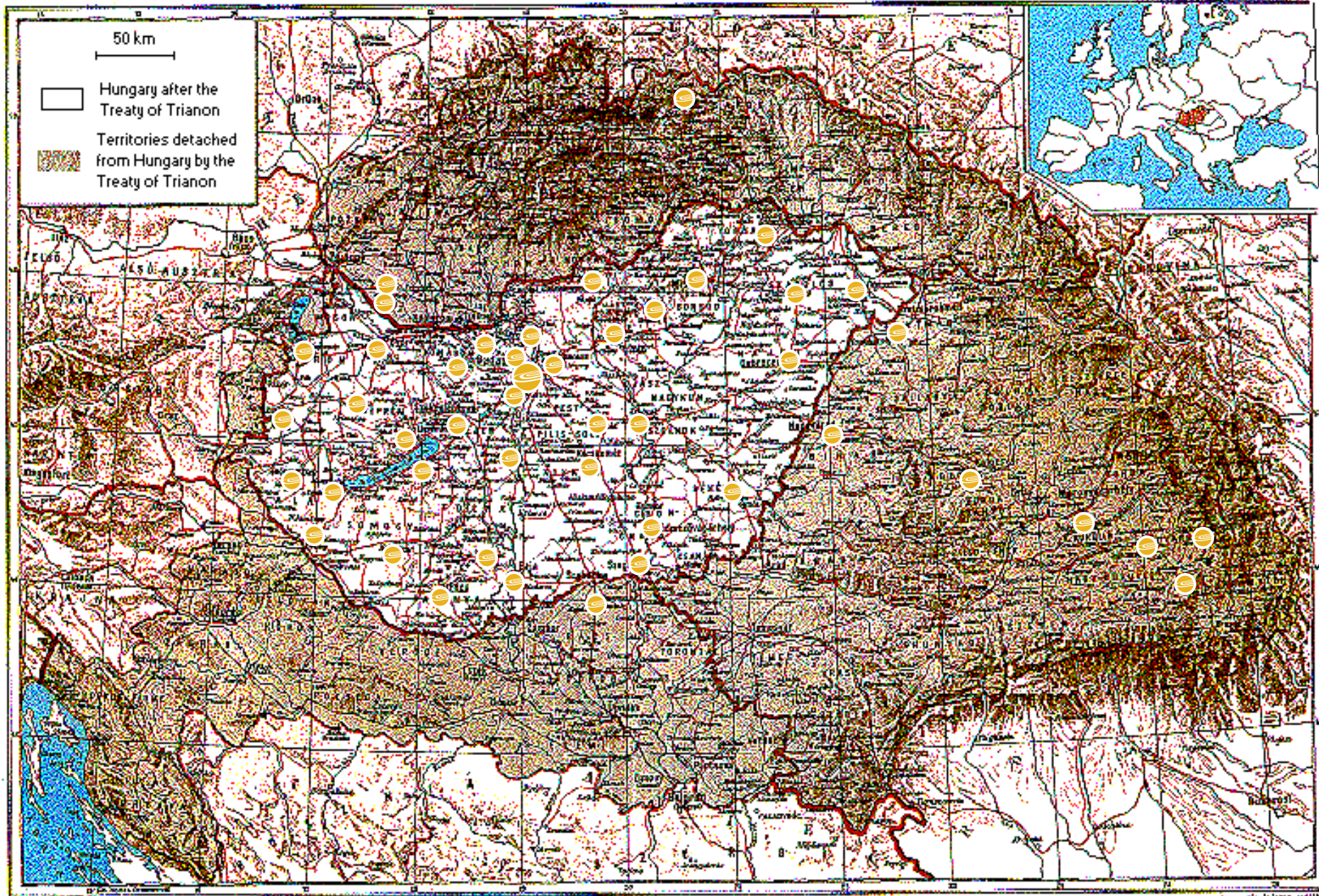
**Sarolta ZÁRDA**

**rector**

# Introducing Dennis Gabor College



# HUNGARY BEFORE AND AFTER THE TREATY OF TRIANON, (THE PARIS PEACE TREATY, 1920)



# Dennis Gabor College

- Address: Mérnök utca 39. H-1119 Budapest, Hungary
- Year of foundation: 1992
- Founded by: SZÁMALK PLC & LSI Foundation
- Private higher education institute accredited by the Hungarian State



September 2009



# GÁBOR DÉNES (1900-1979)



**Nobel prize winner for holography: 1971**

# Dennis Gabor College

## Objectives:

- To provide high quality education
- To satisfy the requirements of labour market
- To meet educational challenges in Hungary and in Europe

## Mission:

- Specialisation in distance education and fully on-line courses
- Quality education in IT and Economics
- Practice-oriented education, internships in all programmes



# Dennis Gabor College

## Programmes in English

- BSc in Computer Engineering
- MSc in Computer Science
- Art and Design



# Dennis Gabor College

## Programmes in Hungarian

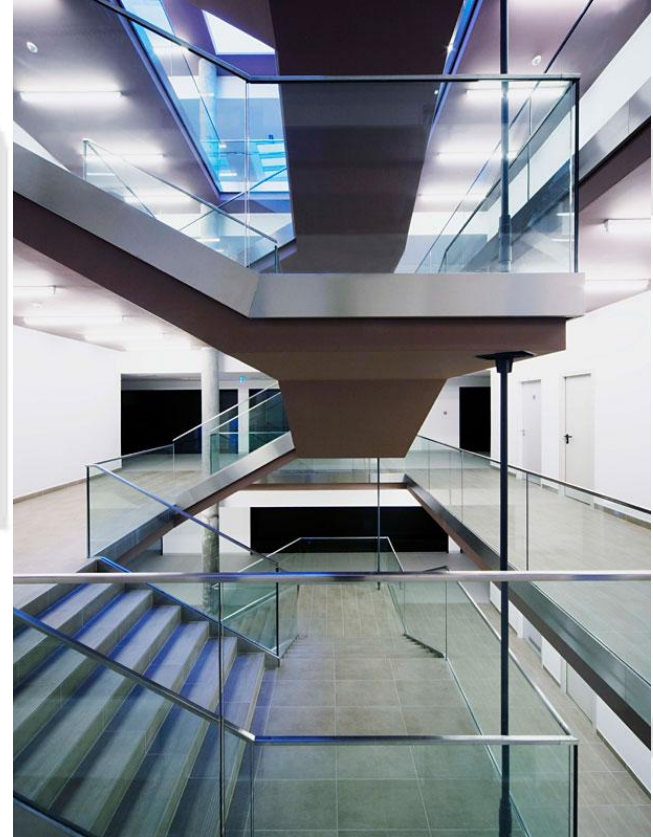
- Undergraduate programme: (BSc/BA level)
  - Computer Engineering (BSc)
  - Engineering Management (BSc)
  - Business and Management (BA)



# Dennis Gabor College

- **Post-secondary Higher Vocational Training courses:**

- System Operator
- Web Programmer
- IT for Statistics and Business Planning
- Financial Administrator
- Accounting Administrator

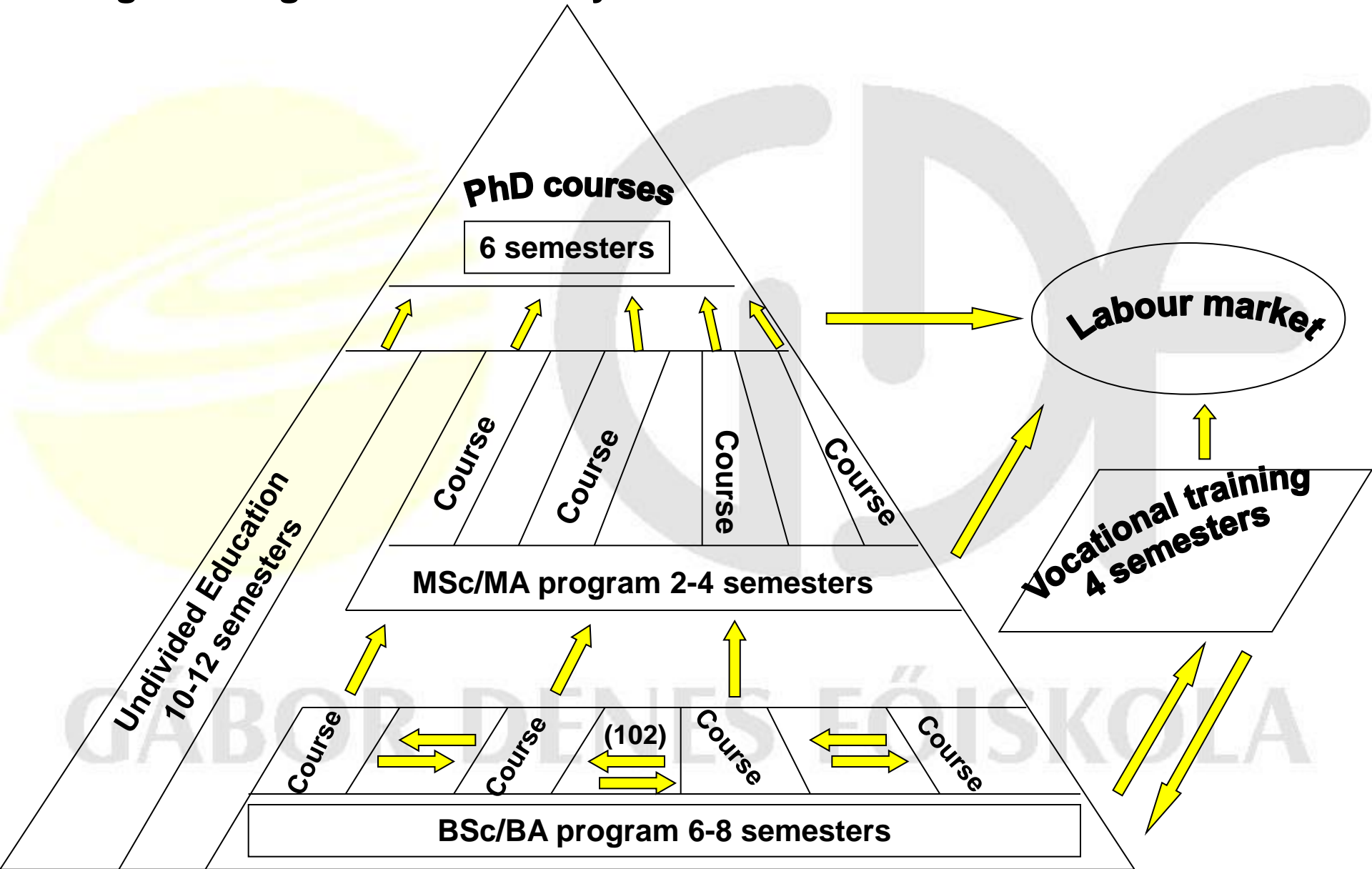


# Dennis Gabor College

- **Advanced Professional Training Courses:**
  - Postgraduate Specialist Training Course in Programmable Logic Controller
  - Special Engineering Course for Microsoft Business Application Development
  - Quality Assurance Special Engineering Course



# Hungarian Higher Education System



# Dennis Gabor College

## Forms of Education

- Distance learning (blended learning)
- Full time education

Methods: open and flexible

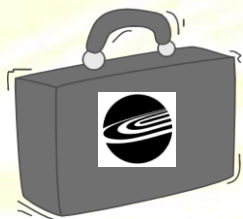
### Support for Distance Learning

- Student's and tutor's packages
- Study material
- Tutor-led instructions

ILIAS = web based Learning Management System



# Support for Distance Learning



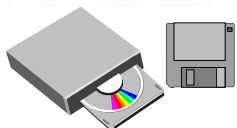
**Student's and tutor's packages**



**Learning material**

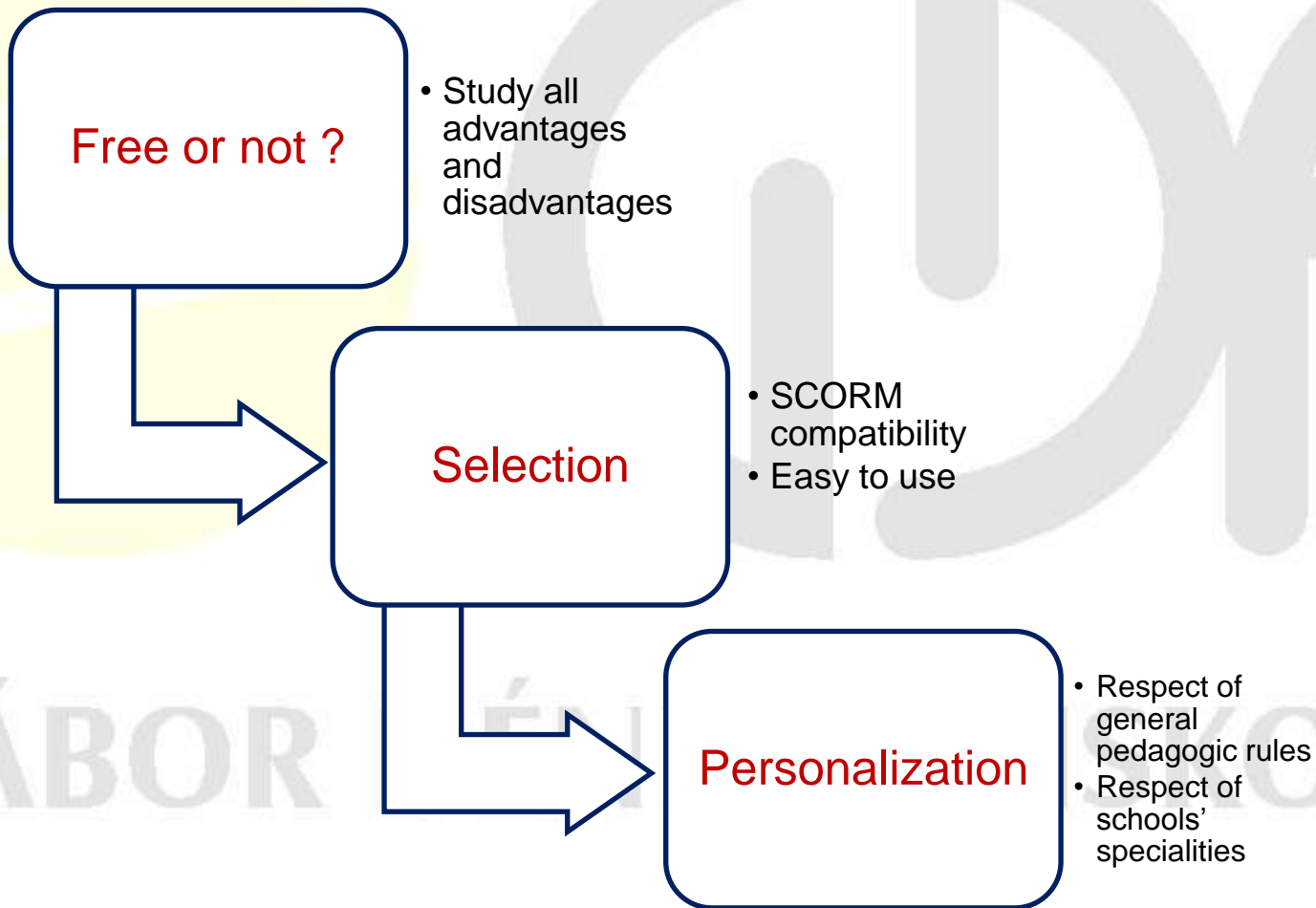


**Instructions**



**DVD, CD**

# Selection of our Learning Content Management System







# **E-Learning**

**ILIAS = web based Learning Management System**

- **Option of on-line learning**

- **Allows users:**

- to create

- to edit

- to publish

**learning and teaching material in an integrated system with normal web browser**

# Selection of our Learning Content Management System

The screenshot displays the ILIAS forum interface. The main content area shows a table of forum topics with columns for 'Téma', 'Létrehozta', 'Hozzászólások (olvasatlan)', 'új hozzászólás', 'Látogatások', and 'Utolsó hozzászólás'. The topics listed are '2011 őszi félév rajzai', 'Vizsga', '2010 őszi félév rajzai', and 'Solid Works telepítése'. A right-hand sidebar titled 'Utolsó hozzászólások' lists recent posts, all with the title '2011 őszi félév rajzai'. The interface includes navigation buttons like 'Új téma', 'Értesítés küldésének letiltása ehhez a fórumhoz', and 'Mind bejelölése olvasottnak'. At the bottom, it states 'powered by ILIAS (v3.10.4 2009-01-21)'.

Téma	Létrehozta	Hozzászólások (olvasatlan)	új hozzászólás	Látogatások	Utolsó hozzászólás
<input type="checkbox"/> 2011 őszi félév rajzai Értesítés engedélyezve	bognar	10 (0)	0	79	Ma, 06:36 Írta: bognar
<input type="checkbox"/> Vizsga Értesítés engedélyezve	bognar	62 (0)	0	785	30. Nov. 2010, 15:10 Írta: SGJ821
<input type="checkbox"/> 2010 őszi félév rajzai Értesítés engedélyezve	bognar	24 (0)	0	254	27. Nov. 2010, 09:59 Írta: OTZF4A
<input type="checkbox"/> Solid Works telepítése Értesítés engedélyezve	bognar	26 (0)	0	528	25. Okt. 2010, 19:44 Írta: XKU2OS

# Selection and implementation processes of our **Learning Administration System**

- Homologized administration systems in Hungary:
  - a) ETR or
  - b) NEPTUN
- Default value: conformity with HE Act
- Personalization with respect to Distance Learning and other specialities of our school. Long and difficult process.

# Selection and implementation processes of our **Learning Administration System**

Neptun.Net GDF\_OW

https://neptun.gdf.hu/oktato/main.aspx?ismenuclick=true&ctrl=1901

Facebook GDF web exchange NEPTUN ILIAS Vatera.hu árverés ol... Windguru OMSZ HHH

Bognár Géza Dr. - TAB7Q9 | Logout

**NEPTUN**  
Egységes Tanulmányi Rendszer

Education Admin. Neptun Meet Street

Personal data Education Exams, mark submission Information Administration

Calendar

October 2011

Su	Mo	Tu	We	Th	Fr	Sa
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Lessons Exams  
Meetings Task list  
Subscription lists  
Tutorial exemptions  
Outlook export

Subjects

Filter Subject type: Own subjects, Semesters: All

Subject type:  
 Own subjects  
 Taught subjects  
 All

Semesters:  
All

Show list

Add to favourites

List of subjects

Subject code	Subject name	Type	Semester	Options
F-KO-ILLANM	Illustration and Animation with 3D Studio	O	2001/02/1	Options

Page size 20

HU 11:41 2011.10.07.

# Dennis Gabor College

- **60 thousand enrolled students (since 1992)**
- **11 thousand graduates**
- **40 full-time instructors**
- **8 education centres**
- **2000 part-time instructors**

# Dennis Gabor College

## Current International Projects

- ERASMUS Mobility Programme
- LLP- Transversal Programme: **VIRQUAL**  
Network for Integrating Virtual Mobility and European Qualification Framework in HEI and CE Institutions, Key Activity 3 – ICT, Network 2008-2011
- LLP – Erasmus, Academic Networks: **ELLEIEC**  
Enhancing Lifelong Learning for the Electrical and Information Engineering Community  
2008-2011

# Dennis Gabor College



Further information:

[www.gdf.hu](http://www.gdf.hu)

[\*\*info@gdf.hu\*\*](mailto:info@gdf.hu)

GÁBOR DÉNES FŐISKOLA