



# Surveyors at the Faculty of Geoinformatics before and after the introduction of the credit system

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The FIG Commission 2 and the Austrian Society for Surveying and Geoinformation (OVG) are inviting You to the Workshop  
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# Introduction

- At the Faculty of Geoinformatics, University of West Hungary the professionals are mainly educated in the field of land surveying and management, GIS and mapping.
- 1962 - Land Surveying Technical High School
- 1972 - College of Land Surveying and Land Management, Sopron University
- 2002 Introduction of the Credit system
- 2005 - Land Surveying and Land Management - BSc
- 2009 Land Tenure Management – MSc level



# Credit System

## • Advantages

- Less rigorous conditions
- Liberty in choosing of subjects (Subject A,B,C)
- Personal educational plan can be compiled
- No need to repeat the full semester if there is a fail in one subject
- Possibility of continuing the studies in other institutions

1. évfolyam

Tantárgy neve	Kódja	Órarendezés	Kredit	Felelős tanár	Előfeltétel
Cikória	GBNTKOCOB	2+2 v	4	OTÁ	-
Könyvtartás	GBNTKOTVA	2+0 b	2	GPR	-
Tekélytan	GBNTKOTVA	1+2 f	3	GPO	-
Könyvtartás	GBNTKOCOB	0+2 f	2	GPA	-
Tagozáskódus	GBNTKGAUC	2+0 b	2	GPR	-
EU alapfogalmak	GBNTKGAJB	2+0 b	2	GPR	-
Informatika I	GBNTKIFA	2+2 v	4	OTI	-
Geometria I	GBNTKEMIA	2+2 v	4	OTE	-
Matematika I	GBNTKMATIA	2+2 v	4	OTE	-

2. évfolyam

Tantárgy neve	Kódja	Órarendezés	Kredit	Felelős tanár	Előfeltétel
Informatika II	GBNTKIFA	2+2 v	6	OTI	Informatika I
Geometria II	GBNTKEMIA	2+2 v	4	OTE	Geometria I
Matematika II	GBNTKMATIA	2+2 v	4	OTE	Matematika I
Fizika	GBNTKIFA	2+2 v	4	OTE	Matematika I
Matematika	GBNTKEMIA	2+0 b	2	OTÁ	-
Geodézia I	GBNTKEDIA	3+3 v	6	OGÉ	Geometria I, Matematika I
Mérnöki alapsmeretek I	GBNTKEMIA	1+2 v	2	GPR	Matematika I

3. évfolyam

Tantárgy neve	Kódja	Órarendezés	Kredit	Felelős tanár	Előfeltétel
Matematika III	GBNTKMATIA	2+2 v	4	OTE	Matematika II
Geodézia II	GBNTKEDIA	3+3 v	6	OGÉ	Geodézia I
Mérnöki alapsmeretek II	GBNTKEMIA	2+2 f	4	GPR	Mérnöki alapsm. I
Rendszervezés	GBNTKREZIA	1+2 f	3	GTH	Informatika II
Allam és jogtudományok	GBNTKAJIA	2+0 b	2	GTO	-
Vendégtan	GBNTKVETIA	1+2 v	3	OGÉ	Matematika II, Geometria II
Fotogrammetria I	GBNTKPOIA	2+2 v	4	GPO	Fizika, Geometria II
Terrénmatika I	GBNTKTEIA	2+3 v	5	GTH	Geodézia II, Informatika II



# Credit System

## • Disadvantages

- One subject can be repeated three times, it makes the students irresponsible
- Students can not plan effectively their list of subjects
- It needs more punctuality from the students
- Many subjects are unique at the UWH GEO, no possibility for credit transfer





## Ways of advertisements

- 1. Ads in newspapers
- 2. „Educatio” Exhibition
- 3. Roadshow
- 4. Plaza radio
- 5. TV and radio media
- 6. Forums at secondary middle schools



## Entry system

- There is not a certain amount of students designated to a certain university, instead of it a contingent is determined for one professional field.
- Result: except of two-three big universities, most of the higher education institutions found themselves in a disadvantageous situation



## Financial Issues

- The education is financed basically by the government, but the governmental budget principles has been changed radically.
- Subsidy:
  - Fixed part depending on statistics of students and tutors + expenses for the maintenance of the infrastructure,
  - Variable part is based on quality improvement pledges planned by central regulation principles.



## Tuition Fee

- Tuition free from BSC students
  - It doesn't reach the governmental subsidy.
  - It should be calculated by marketing principles, mainly by the student market demands and needs.
  - Two variants (have to optimized):
    - Lower fee, lower income, but more students
    - Higher fee, not always means higher income in total, but less students with the same staff (salary)





# Postgraduate Courses

- Alumni movement
- Good advertisement possibility
- Income source
- Important role of the E-learning facilities, portals like [www.vgeo.hu](http://www.vgeo.hu)



# International Issues

- Joint projects inside and outside the EU
- Member of professional organizations (FIG, AGILE, UNIGIS, EuroPACE, EDEN)
- Member of Mobility Programs like Erasmus, CEEPUS
- PhD school for international students



International Federation of Surveyors (FIG)



Association of GI Laboratories in Europe (AGILE)



UNIGIS Educating professionals worldwide



EuroPACE - Towards a Virtual University



GI-NET



Idrisi Resource Centers



# Conclusions

- The last five years the attraction and enrollment of new students has become more and more important.
- The faculty should be involved deeply in the marketing.
- With the introduction of the credit system the budget planning and the economy with the human resources and infrastructure require a new philosophy and approach.
- Importance of other forms including the MSc, Phd.



## THANK YOU VERY MUCH FOR YOUR ATTENTION!



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