

FINAL SITUATION IN SURVEYING EDUCATION IN TURKEY, AND ITS CONTRADICTIONS

Presented by:

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1. Introduction Historical Background

- 1949: YTU, Survey and Cadastral Engineering
 - □ Curriculums For Cadastral affairs
 - □ Today: All kind of Engineering Projects (updated)
- 1981: Geodesy and Photogrammetry Engineering
- Now:
 - □ 11 Universities (included master and doctoral degrees-active in education)
 - □ 5 universities (passive)
 - ☐ 4 Universities (only graduate programs)
 - METU (ODTÜ)
 - Bosporus Uni.
 - Gebze Advanced Technology Institution
 - Kültür University

PRESENTATION OUTLINE

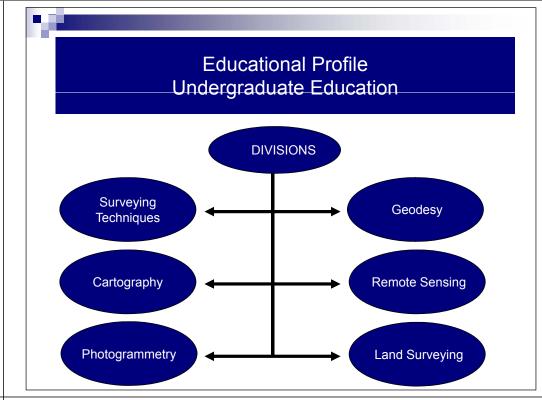
- Introduction
- Current Situation in Surveying Engineering Education in Turkey
 - ☐ Problems in Graduate Programs and Recommendations for Them
 - Quality and Accreditation
 - **■** Curriculums
 - **Lecturer Staff**
 - Newly Founded Departments and Becoming a School
- The Result and Recommendations

Table 1: Geodesy and Photogrammetry Engineering Departments in Turkey

N	lo	University	Department	City	State
	1	Yıldız Technical University	Dept. of Geodesy and Photogrammetry	İstanbul	active
2	2	Karadeniz Technical University	Dept. of Geodesy and Photogrammetry	Trabzon	active
3	3	İstanbul Technical University	Dept. of Geodesy and Photogrammetry	İstanbul	active
2	4	Selçuk University	Dept. of Geodesy and Photogrammetry	Konya	active
Ę	5	Zonguldak Karaelmas University	Dept. of Geodesy and Photogrammetry	Zonguldak	active
6	ô	Gümüşhane University	Dept. of Geodesy and Photogrammetry	Gümüşhane	active
7	7	Ondokuzmayıs University	Dept. of Geodesy and Photogrammetry	Samsun	active
8	8	Afyon Kocatepe University	Dept. of Geodesy and Photogrammetry	Afyonkarahisar	active
Ş	9	Erciyes University	Dept. of Geodesy and Photogrammetry	Kayseri	active
1	0	Kocaeli University	Dept. of Geodesy and Photogrammetry	Kocaeli	active
1	1	Aksaray University	Dept. of Geodesy and Photogrammetry	Aksaray	active
1	2	Cumhuriyet University	Dept. of Geodesy and Photogrammetry	Sivas	passive
1	3	Hacettepe University	Dept. of Geodesy and Photogrammetry	Ankara	passive
1	4	Niğde University	Dept. of Geodesy and Photogrammetry	Niğde	passive
1	5	Harran University	Dept. of Geodesy and Photogrammetry	ŞanlıUrfa	passive
1	6	Pamukkale University	Dept. of Geodesy and Photogrammetry	Denizli	passive

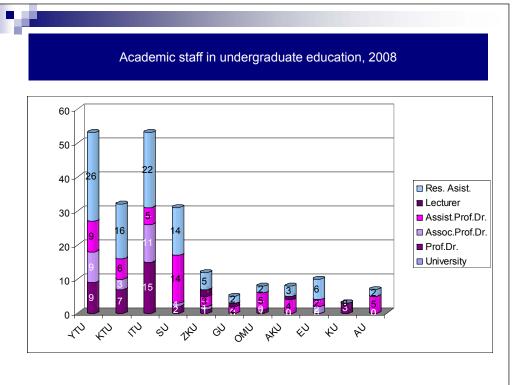
Table 2: Year 2008 Quotas of Geodesy and Photogrammetry Engineering Departments in Turkey

		Overall Quota		
No	University	1.Education	2.Education	
1	Yıldız Technical University	100	100	
2	Karadeniz Technical University	80	80	
3	İstanbul Technical University	70	-	
4	Selçuk University	80	80	
5	Zonguldak Karaelmas University	60		
6	Gümüşhane University	40	-	
7	Ondokuzmayıs University	50	50	
8	Afyon Kocatepe University	50	-	
9	Erciyes University	40	-	
10	Kocaeli University	30	-	
11	Aksaray University	30	-	
_	Total	630	310	



Academic staff in undergraduate education, 2008

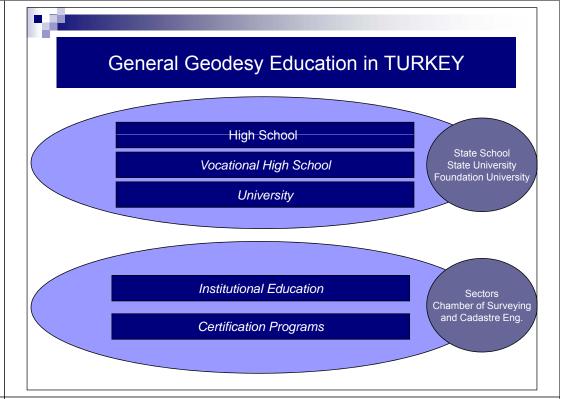
		Academic Staff				
University	Prof.Dr.	Assoc.Prof.Dr.	Assist.Prof.Dr.	Lecturer	Res. Asist.	Total
Yıldız Technical University	9	9	9	-	26	53
Karadeniz Technical University	7	3	6	-	16	32
İstanbul Technical University	15	11	5	-	22	53
Selçuk University	2	1	14	-	14	31
Zonguldak Karaelmas University	1	1	3	2	5	12
Gümüşhane University	-	-	2	1	2	5
Ondokuzmayıs University	1	-	5	1	2	9
Afyon Kocatepe University	-	-	4	1	3	8
Erciyes University	-	2	2	-	6	10
Kocaeli University	3	-	5	-	-	8
Aksaray University	_	_	5	_	2	7



2. Current Situation in Geodesy Engineering Education in Turkey

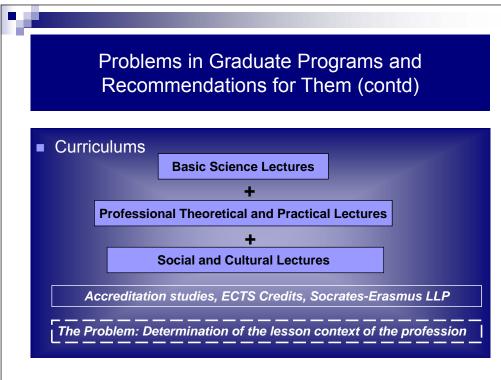
Geodesy Education

- High School → Technician
- Vocational High School (2 years) → Technician
- University (4 years undergraduate) → Engineer
- Institutional Education
- Certification Programs



Problems in Graduate Programs and Recommendations for Them

- Quality and Accreditation
 - □ National Scale → MÜDEK "Engineering Education Program Evaluation and Accreditation Association"
 - ☐ International Scale → ABET "Accreditation Board for Engineering and Technology"
 - → EUR-ACE "European System for Accreditation of Engineering Education"



Problems in Graduate Programs and Recommendations for Them (contd)

Lecturer Staff

	Academic Staff					
University	Prof.Dr.	Assoc.Prof.Dr.	Assist.Prof.Dr.	Lecturer	Res. Asist.	Total
Gümüşhane University	11-	-	2	1	2	5
Aksaray University	- 1	-	5		2	7
Kocaeli University	3	-	5	-		8
Afyon Kocatepe University	- 1	-	4	1	3	8
Ondokuzmayıs University	1	-	5	1	2	9

Problems in Graduate Programs and Recommendations for Them (contd)

Lecturer Staff

The Problems:

- * New Founded Departments Deficiencies
- * Any Support to be a lecture at there
- * So Many Students, Less time to Academic Researches, Projects, Studies, Thesis

Encourage conditions for research assistants with PhD degree Not to accept student upon complete the deficiencies

Problems in Graduate Programs and Recommendations for Them (contd)

Newly Founded Departments and Becoming a School

National Demands & Geographic Region Demands

Departments Location & Location Selections

Determination of the minimum requirements "Technologic & Physical Substructure & Lecturers"

The Result and Recommendations

"Investments on education do not yield results in short-term..."

The Result and Recommendations

- The graduated student should have good command of a foreign language.
- Practicing should be emphasized in professional trainings of our students.
- The graduated students should be able to use any current professional software at a good degree.
- The graduated students should have information on law relating to our profession beside measurement and assessment techniques.

3. The Result and Recommendations

- The students should be educated not only from the professional point of view but also social point of view and should have a vision that ensures to make them able to undertake administrative positions in the future.
- 6. The graduated students should have professional ethic.
- Obstacles in front of the specialization should be eliminated in our profession and specialized engineers on certain subjects should be graduated.

Contradictions...

- New opened departments
 - □ need of
 - Well qualified lecturer/staff
 - Hardware/equipment
- Supporting the Staff/ Mobility in Education
- Effects of the working conditions

