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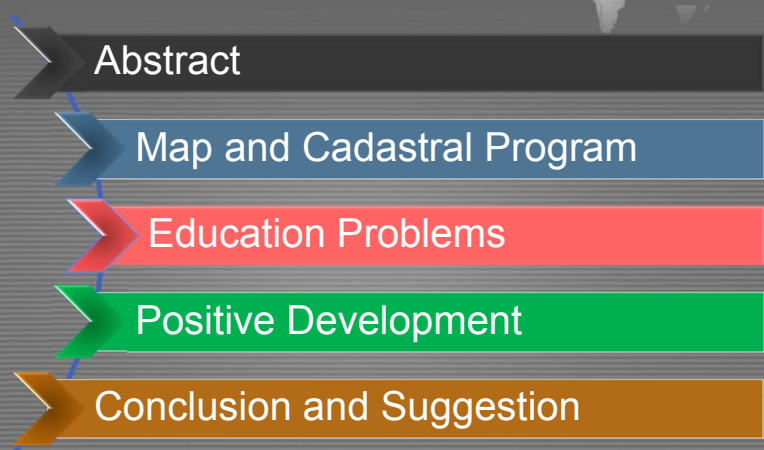
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An Overview to the Map Cadastral Departments at Vocational Schools: Last 5 Years

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Agenda



- Abstract
- Map and Cadastral Program
- Education Problems
- Positive Development
- Conclusion and Suggestion

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Abstract

Changing and developing world, education has to change systems and environments. Updating education systems according to the necessities of the age, positively affects the teaching – learning point of view, knowledge and professional competence by providing the stability of all parts of the system. Vocational Schools update their syllabus every five year.

This update requires lecturers to improve their self, schools to renew technically and managerially, departments to have technological and scientific software and hardware according to their needs. With these updates the graduates will have the standard professional competence in line with the requirements of the market.



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Map and Cadastral Program

- Those are the programs which are located at Universities 'Vocational Schools' Technical Programs and give two-year vocational education. Students who graduate from this program start their career with technician title

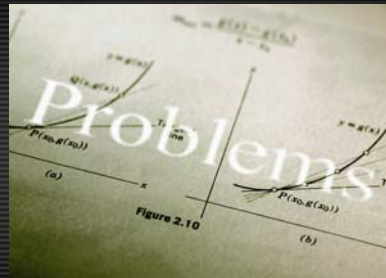


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Education Problems

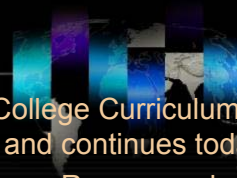


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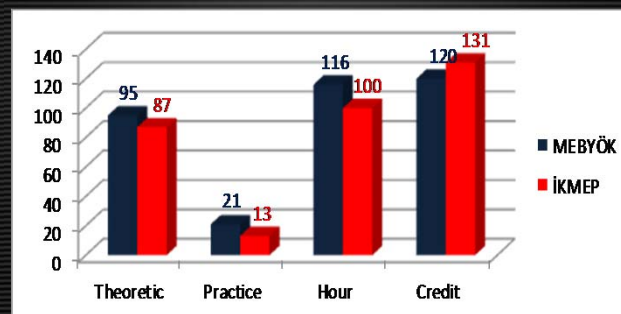
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1-Content and Syllabus



- According to the project called MEB-YÖK (College Curriculum Development Project) which started in 2002 and continues today.
- Within the framework of Development of Human Resources by Vocational Education Project (İKMEP) which started in 2011 and supported by European Union the education content and syllabus of map and cadastral programs has been changed



Comparison of Two Curriculums (MEBYÖK – İKMEP)

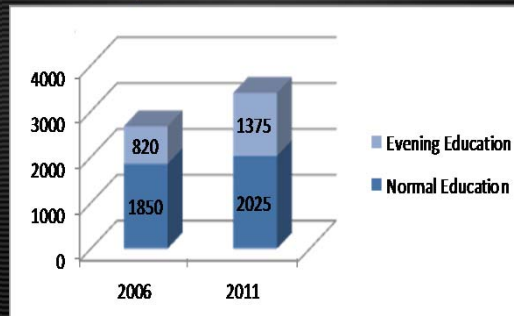
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2- Quota and Placement Conditions

- The student quota has increased substantially due to new universities and departments opened in last five years. But, Turkish Higher Education Council's quota increase at existing departments led to some problems at universities which don't have sufficient infrastructure. While total quota of Map and Cadastral Departments in all Turkish universities occupancy rate was %99 in between 2006-2011. This is a high ratio compared with other departments at Vocational Schools.



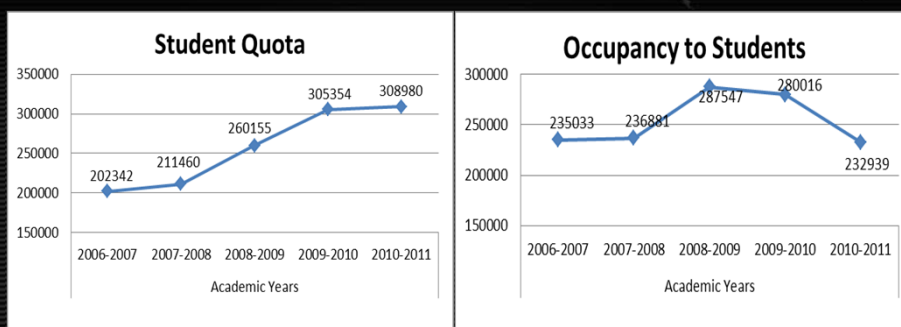
Quota numbers for the years of 2006-2011 in Mapping and Cadastre Department

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2- Quota and Placement Conditions



Quota numbers for the years of 2006-2011 in all Vocational School

Change over the years

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3-Staff and Their Qualifications

- The Map Cadastral Programs generally consist of the engineers who graduated from the departments of Geodesy and Photogrammetry Engineering.
- Although the staff have a fully equipped in terms of Professional knowledge and skills, they have lack of pedagogical education.
- Çorum Vocational School has 80 students in total (40 students at Normal Education + 40 Students at Evening Education). The staff of this department consist of 3 Map Engineers (m.sc). These academic staff have about 30 hours of courses a week.

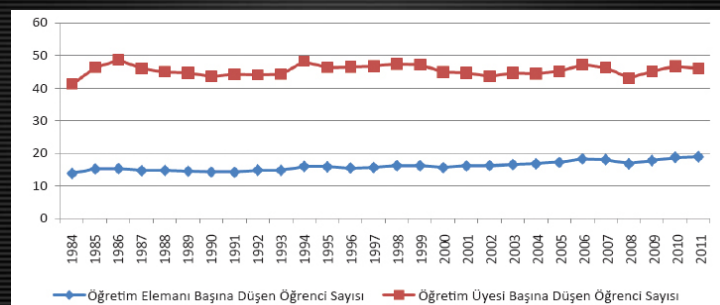
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3-Staff and Their Qualifications

- Figure shows the changes in the number of students per academic staff in higher education between 1984–2011. The number of students per academic staff is at the level of 13–19 students. While the number of students per academic staff in 1984 is 13,85, it is 18,86 in 2011.



The number of students per academic staff in Turkey, 1984-2011 (Günay and Günay, 2011).

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4- Financial Infrastructure of Education

- The students are expected to do some practices in the laboratory and fields in order to strengthen their theoretic knowledge with practices. The computer laboratory which is necessary for these practices must have one computer, licensed programs, internet connections per student, printer and plotter.
- The students need a drawing room containing drawing tables in order to use the drawing courses. Besides, theodolite, total station and its set, gps and length measuring instruments come to mind first between the professional tools and equipment which are necessary for land applications.

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5- Professional Competences

- The government bill about Professional Competency Board was referred to the Grand National Assembly of Turkey in 2006 and it was passed unanimously after being discussed at commissions as the law of Professional Competency Board with the number of 5544 on 21 September, 2006.
- Nevertheless, job description, its standards and its competences about Map Cadastral are not still constituted formally

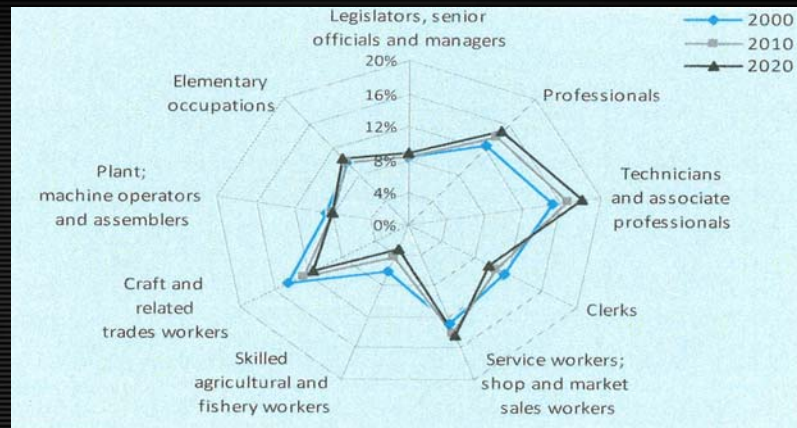
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Positive Development

In a study of European Union Countries, trend and predictions is shown figure in vocational education.



Changes in vocational education. (Günay D, Günay A.)

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Conclusion and Suggestions

- Map Associate Degree Programs are struggling with basic problems such as deficiencies in physical and technological capacity, competences and numbers of academic and administrative staff, inability about meeting the necessities of age and innovations of the profession and finally, lack of communication of the graduate students with the private sector.
- Although the importance of vocational education in Turkey has increased recently, it is necessary for the institutions to reorganize and keep up with developments. All universities must adapt their physical and academic infrastructure to today's necessities and give a more efficient education to their students. In order to do that, universities must expand their education environments in direct proportion to student number, take precautions for increasing their administrative and academic staff's self-improvement.

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Finish

- Thank you for your attention

