

New education in land administration and surveying

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New education in land administration and surveying

**From a 1 year course to the
only complete bachelor
in land administration and
surveying in Norway**



"Land surveying and property design"



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Education in Geomatics in Norway

- **Norwegian University of science and technology**

- **Master in Geomatics**



- **Norwegian University of Life Sciences**

- **Master/Bachelor in Geomatics**
- **Master in Land administration**
- **Master in Land use planning**



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Education in Geomatics in Norway II

- **University of Oslo**



- **Master/Bachelor in Geomatics**

- **Gjøvik University College**

- **Bachelor in Geomatics**



- **Bergen University College**

- **Bachelor in Land administration and surveying**



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Original aim of the education in Bergen

- To educate technical staff to the Land Consolidation Courts
 - 1. year course in land surveying in Stend agricultural school from 1957
 - 2 years education from 1980
 - 2 years education in Bergen University college from 1993



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Mercedes in the hedge – a typical situation in the Norwegian countryside?



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Land consolidation



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Study programme – main contents

- Land use planning
- Land management
- GIS
- Land surveying



We educate cadastral surveyors



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1. Year

- Introduction to GIS 10 credits
- Public Law 10 credits
- Mathematics 10 credits
- Land surveying 10 credits
- Economics and Resource Management 10 credits
- Land Management I 10 credits



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2. Year

- Land Management II 10 credits
- Geographic Information systems 10 credits
- Cadastral surveying 10 credits
- Public Law II 10 credits
- Basic Road- and Land use planning 10 credits
- Optional courses 10 credits



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3. Year

- Land Management III 10 credits
- Geographic Information systems 10 credits
- Engineering surveys 10 credits
- Thesis 20 credits
- Optional courses 10 credits

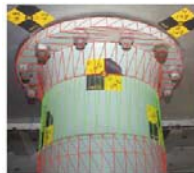


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Optional courses I

- Industrial surveying 5 credits
- Laser scanning and 3D-GIS 5 credits
- Construction Technology 5 credits



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Optional courses II

- Industrial surveying 5 credits
- Laser scanning and 3D-GIS 5 credits
- Construction Technology 5 credits
- Land Consolidation and Land Tenure in Foreign Countries 5 credits
- Dispute resolution and negotiation 5 credits
- Land use planning 10 credits
- Land registration and Cadastral surveying 5 credits



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Optional courses III

- Industrial surveying 5 credits
- Laser scanning and 3D-GIS 5 credits
- Construction Technology 5 credits
- Land Consolidation and Land Tenure in Foreign Countries 5 credits
- Dispute resolution and negotiation 5 credits
- Land use planning 10 credits
- Innovation and Entrepreneurship 5 credits
- English – language 5 credits
- Spanish – language 5 credits



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3. term – Cadastral practice



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In the coastal zone



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Boundary mark

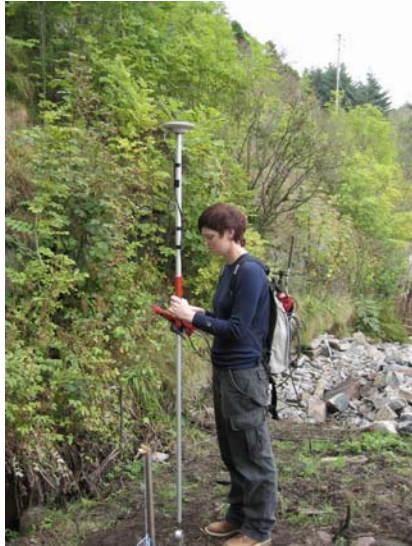


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Number of students

	Applicants	Admitted
2002	22	22
2003	25	25
2004	32	32
2005	36	36
2006	64	39
2007	58	41
2008	60	??

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Further development at Bergen University College

- Offering short follow-up studies
 - Courses from 5 to 20 ECTS
- Masters? – in cooperation with
 - University of Bergen
 - University of Life Sciences (UMB-ÅS)
 - Aalborg university



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Employers

- Municipalities
- Public roads
- Land consolidation courts
- Surveying companies
- Construction groups
- Property developers
- GIS



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The end

Thank you for your attention



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