UNIGIS International
Educating GI-professionals Worldwide

Dr. Shahnawaz
Director (S & SE Asia)
UNIGIS International
Welcome to UNIGIS International

The UNIGIS International Association is the world’s premier distance education initiative offering masters and diploma programmes in Geographical Information Science and Systems (GISC). As a global network of higher education institutions UNIGIS is dedicated to enhance the competence of GIS professionals like you!

GIScience and Geoinformatics via Distance Learning

- Aspiring to an internationally recognised qualification in GIScience?
- Searching for high quality academic learning environments?
- Prefer a flexible alternative to full-time studies compatible with family and work?
- Want to enhance your long-term career prospects?
UNIGIS Quick Facts

- Global network, on all the continents
- First courses launched in 1993
- Manchester - Amsterdam - Salzburg
- Asia - India started in 2005
- 4000+ alumni worldwide

…… dedicated to “lifelong learning“!
UNIGIS: www.unigis.net

Interfaculty DEPARTMENT OF GEOINFORMATICS

Total since 18 Jan 2008 = 84 870
from 22 Jan to 12 May 2013 = 7 988
Components of UNIGIS GIScience Education

GI-S - GIScience Student
IF - Institutional Framework
LM - Learning Materials and Media
QT - Qualified Teachers
Interdisciplinary Approach

- Modular Structure
  - Compulsory: Fundamentals & Essentials
  - Electives: Specialisation in Domain Oriented Skills and Applications
Curriculum Standardisation

- International Standards - Reviews
  - e.g. NCGIA - Regional - Local

- Job-Market Oriented Approach
  - Biggest market - Industry
  - Medium market - Organisations
  - Smallest market - academics
Joint-study Programmes

- Mutual recognition of Credits and Qualifications

- Credit Transfer System
  - e.g. European Credit Transfer System (ECTS) based on student work load
  - 1 ECTS = 25-30 Hours workload
  - 2 hours a week, 15 weeks a semester
UNIGIS@Salzburg University, Austria offers 2 fullfledged study programmes:

- 2 Year - MSc in GIScience and systems
- 1 Year - Professional Diploma GISystems

Programmes are offered in German as well as in English Language medium.
- weekly workload of 25+ hours.
- 120 ECTS points, 1 Module = 6 ECTS
- 10 compulsory modules (1, 2, 3... 9)
- 4+ elective modules (E1, E2, E3)
- Summer Schools (SS)
- Master Thesis

- Elective modules may be covered by doing software training, workshops, summer schools, practical / collaborative projects etc.
# MSc. Curriculum 2009

<table>
<thead>
<tr>
<th>MODULE TITLE</th>
<th>ECTS</th>
<th>Type</th>
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<tbody>
<tr>
<td>GIS Introduction</td>
<td>6</td>
<td>BS</td>
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<tr>
<td>Data Modelling and Data Structures</td>
<td>6</td>
<td>BS</td>
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<td>Data Sources and Data Acquisition</td>
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<tr>
<td>GIS Organisation and Project Management</td>
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<td>BS</td>
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<td>Geo-DBMS</td>
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<td>Open GIS and Distributed GI Infrastructures</td>
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<tr>
<td>Geographical Analysis</td>
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<tr>
<td>Spatial Statistics</td>
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<td>BS</td>
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<tr>
<td>Visualisation and Cartography</td>
<td>6</td>
<td>BS</td>
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<tr>
<td>Learning Practice and Academic Work</td>
<td>12</td>
<td>BS/PU/PF</td>
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<tr>
<td>Elective Subjects</td>
<td>24</td>
<td>BS/PU</td>
</tr>
<tr>
<td>Master Thesis</td>
<td>30</td>
<td>PU</td>
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<td><strong>Total ECTS</strong></td>
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Professional Diploma

- weekly workload of 25+ hours.
- 60 ECTS points, 1 Module = 6 ECTS
- 7 compulsory modules (1, 2, 3… 7)
- 3+ elective modules (E1, E2, E3)
- Summer Schools (SS)
- Practical Project

Elective modules may be covered by doing software training, workshops, summer schools, practical / collaborative projects etc.
# Uprof. Curriculum 2009

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<td>Application development</td>
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All the required course materials are integrated in an eLearning Platform e.g. Blackboard [https://elearn.sbg.ac.at](https://elearn.sbg.ac.at)

Course participants get a Username and Password

A full module (6 ECTS) has duration of 6-8 Weeks

A full module consists of about 15 lessons
  - each lesson has 1 core-concept material
  - 1-3 Extra readings
  - 4-6 Self-Assessed EXERCISES (for self-practice)
  - 4-6 Instructor-Assessed ASSIGNMENTS (for examination and grading)
Blended Education

- Asynchronous and Synchronous

E-mail

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THANK YOU FOR YOUR ATTENTION

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