UNIVERSITÄT
SALZBURG

UNIGIS International
Educating GI-professionals Worldwide

Dr. Shahnawaz

Director (S & SE Asia)

UNIGIS International

Z GIS

Interfakultärer FACHBEREICH GEOINFORMATIK

Interfaculty DEPARTMENT OF GEOINFORMATICS

UNIVERSITÄT SALZBURG

www.unigis.net

UNIGIS the global virtual and multilingual network of GIScience

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Educating GIS Professionals Worldwide

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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 News Worldwide

Faculty workshop in Chandigarh

With the aim of supporting and further developing the recently started study center at the Panjab Un...

⊞ UNIGIS at Geospatial World Forum

⊞ Top academic honours for UNIGIS Hungary alumnus

⊞ The 13th edition of UNIGIS Girona Professional Master in GIS

UNIGIS Quick Facts

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

…… dedicated to “lifelong learning“!

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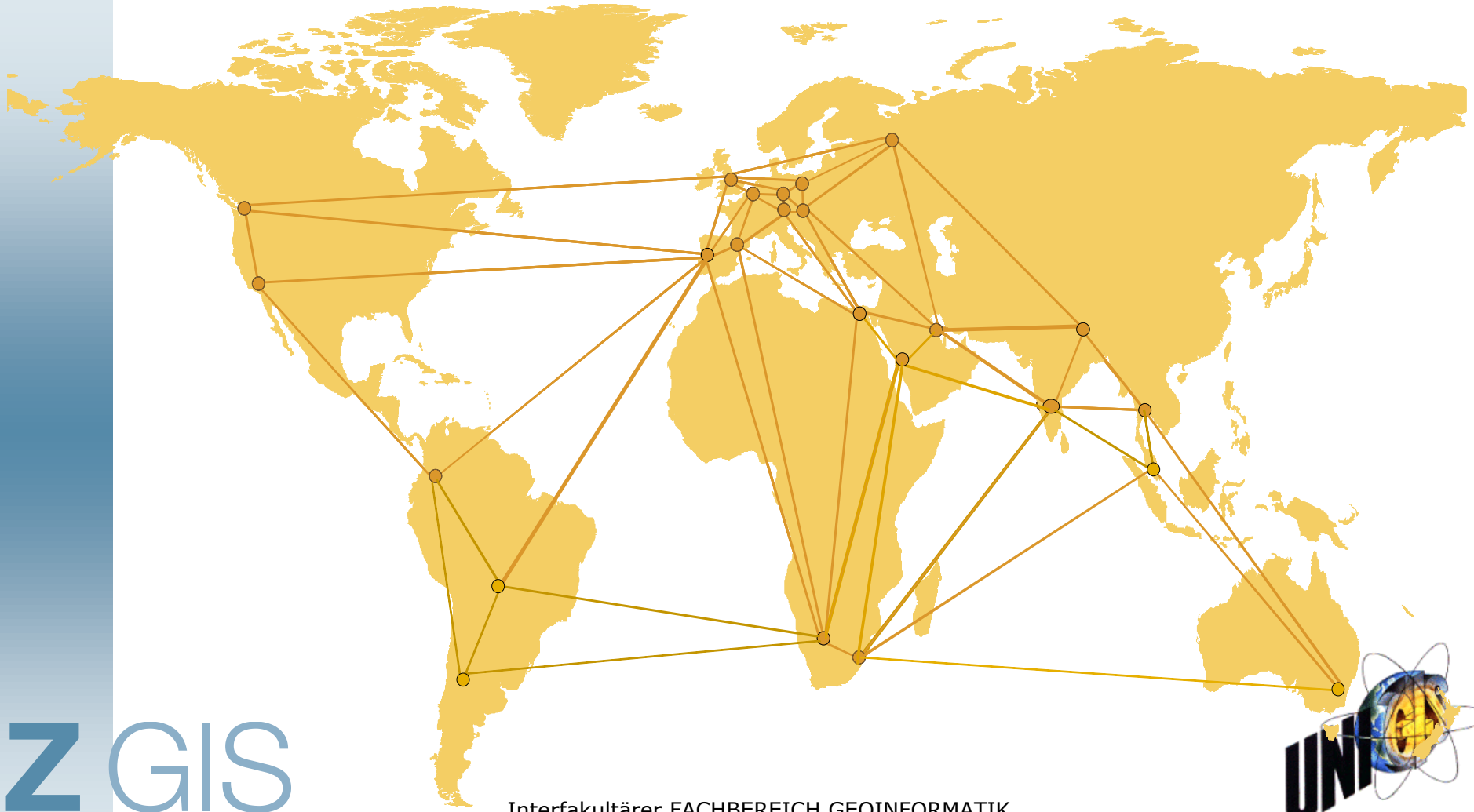

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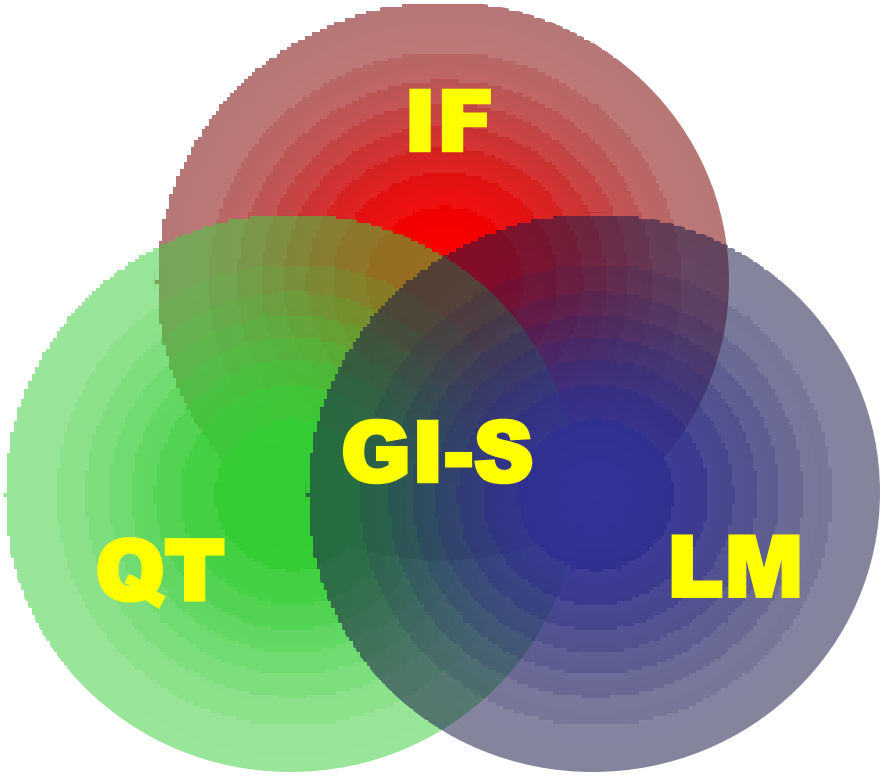
UNIGIS Website Visitors

http://www3.clustrmaps.com/counter/maps.php?url=http://www.unigis.net

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

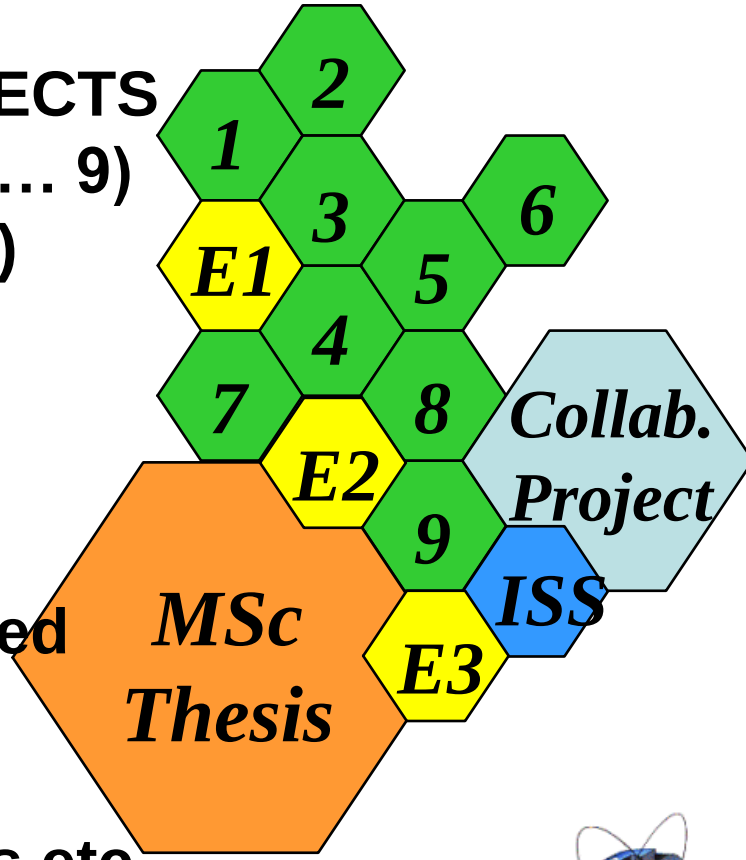
- **Mutual recognition of Credits and Qualifications**
- **Credit Transfer System**
  - **e.g. European Credit Transfer System (ECTS) based on student work load**
  - **1 ECTS = 25-30 Hours workload**
  - **2 hours a week, 15 weeks a semester**

UNIGIS Courses

- **UNIGIS@Salzburg University, Austria offers 2 fulfledged study programmes:**
- **2 Year - MSc in GIScience and systems**
- **1 Year - Professional Diploma GISystems**
- **programmes are offered in German as well as in Engloish Language medium**

MSc. GIScience & Systems

- 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.

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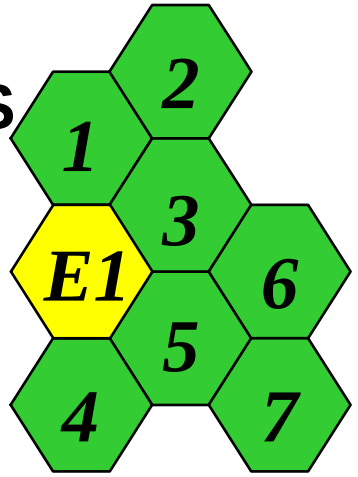
MSc. Curriculum 2009

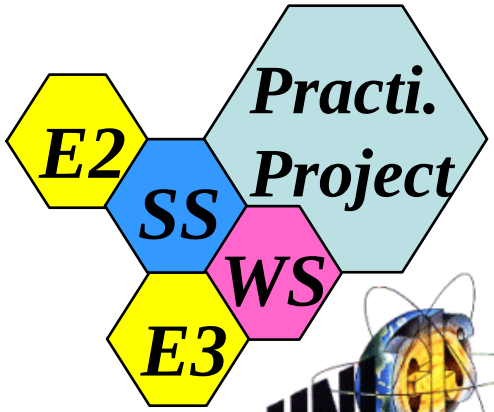
MODULE TITLE	ECTS	Type
GIS Introduction	6	BS
Data Modelling and Data Structures	6	BS
Data Sources and Data Acquisition	6	BS
GIS Organisation and Project Management	6	BS
Geo-DBMS	6	BS
Open GIS and Distributed GI Infrastructures	6	BS
Geographical Analysis	6	BS
Spatial Statistics	6	BS
Visualisation and Cartography	6	BS
Learning Practice and Academic Work	12	BS/PU/PF
Elective Subjects	24	BS/PU
Master Thesis	30	PU
Total ECTS	120	

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.



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Uprof. Curriculum 2009

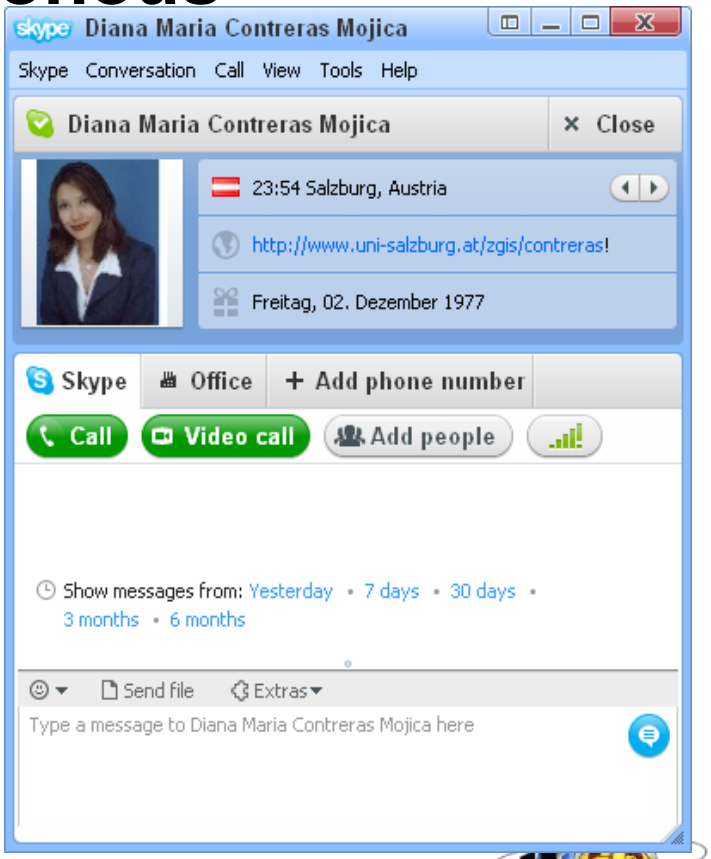
MODULE TITLE	ECTS	Type
GIS Introduction	6	BS
Data Modelling and Data Structures	6	BS
Data Sources and Data Acquisition	6	BS
Geo-DBMS	6	BS
Geographical Analysis	6	BS
Application development	6	BS
Visualisation and Cartography	6	BS
Elective Subjects	24	BS/PU
Master Thesis	30	PU
Total ECTS	120	

Course Delivery System

- All the required course materials are integrated in an eLearning Platform e.g. Blackboard 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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