

*Agreement for Degree Programs
General Cooperation and Exchange of Academic Credits*

Between

*Department of Physical Geography and Ecosystem Science
Faculty of Science, LUND University, Sweden*

And

*Department of Remote Sensing and GIS, Faculty of Geography,
University of Tehran, Tehran, Iran*

The GIS Centre, Department of Physical Geography and Ecosystem Science, Faculty of Science, LUND University, established in Lund, Sweden ("LU") and the Department of Remote Sensing and GIS, Faculty of Geography, University of Tehran, established in Tehran, ("UT"), Islamic Republic of Iran, (each a "party" and collectively, the "parties"). On the 4 of April, 2016 (the "Effective Date") and hereby agree as follows:

PROGRAM PURPOSE

The parties agree to jointly convene MSc in Geomatics for MSc students from University of Tehran to pursue degrees from the Department of Physical Geography and Ecosystem science, Lund University. The Program will allow qualified students from the University of Tehran to transfer to LU for the purpose of completing the MSs Courses, including thesis (optional).. In general, the aim is to train fee paying MSc students, jointly by UT (Iran) and LU (Sweden).

The summary of initial plan for the joint education is as follows:

- 1. The students are accepted by Department of Geography at UT to study an MSc in Geomatics through the MSc entrance exam, held at the national level in Iran.*
- 2. The students study basic and applied courses for the first academic year at UT in Iran.*
- 3. The students will then pursue their study at LU for half an academic year (5 months, September to February) to study remaining courses, at the Department of Physical Geography & Ecosystem Sciences, LU. This is paid by UT, according to a separate agreement between UT and LU.*
- 4. The students then get back to Iran to write their thesis. They get a main supervisor from UT and a co-supervisor from LU. The LU supervisors are paid by UT according to the Fees and Cost section.*
- 5. The thesis will be presented and defended at UT.*
- 6. After passing all courses (including thesis) students can then apply for an MSc degree in Geomatics from UT as well as from LU. If the coursework corresponds to the one in Geomatics at LU a student will be awarded an LU MSc degree in Geomatics.*
- 7. The students then receive two MSc degrees, from both UT and LU.*

BENEFITS

For LU

1. *LU increases its international cooperation.*
2. *LU increases the number of fee-paying students.*
3. *Since students attend existing courses at LU, initialization costs are limited.*
4. *Starting collaboration with UT, which is the first top university of Iran, opens new doors for further research and training collaboration between LU and Iran, which is potentially beneficial.*

For UT

1. *UT may generate income as a result of training fee paying students.*
2. *Starting collaboration with LU, which is among the top 100 universities in the world, and top 3 in Sweden, opens new doors for further international research and collaboration for UT.*
3. *Trained MSc students, with high quality standards, can better contribute to the development of Iran. To train students to boost the development of the country is one of the main aims of UT's activities.*

Program Configuration.

MS degree: Combined graduate program leading to the MSc degree ("1 (UT) +0.5 (LU) +0.5(UT)" or "1+1"). UT students who seek the Lund University MSc degree may transfer to Lund after having earned the equivalent of up to 60 ECTS degree-applicable credit hours at the master's-degree level from UT, providing that the receiving department at the Lund University, the department of Physical Geography and Ecosystem Sciences deems the credits equivalent to their own required courses on the MSc program in Geomatics.

PROGRAM REQUIREMENTS'

A. NOMINATION, APPLICATION, AND ADMISSION

Students selected for the joint program at UT will be nominated to matriculate in the Geomatics degree program.

Admission requirements:

Combined graduate program leading to the master's degree ("1 (UT) +0.5 (LU) +0.5(UT)" or "1 (UT+1 (LU))").

UT students must meet all admission requirements of LU, including language proficiency test scores (Table 1).

UT shall be responsible for initially screening and nominating students for this program according to attitude, motivation, and potential to succeed in a degree program partly offered in a foreign country. LU reserves the right to make the final admissions decisions with respect to the proposed candidates.

UT will provide a list of nominated students to the LU, by March in each year for the fall (August) semester.

B. ENROLLMENT, THESIS, TUITION, AND COSTS

1. *UT students will be enrolled in full-time program at LU in accordance with Swedish regulations for the student visa. Students will undertake a planned program of study by UT as determined by both parties.*
2. *UT is responsible for paying the costs according to a separate agreement by UT and LU.*
3. *In addition to instructional fees, UT students are responsible for the following costs: international travel; room, and living expenses.*
4. *All courses at Lund University will be thought in English. The thesis will also be written in English. The main supervisor (from UT) will be the responsible person supervising the thesis work (including writing the report). The Swedish co-supervisor will ensure that the quality of the thesis corresponds to LU standards.*
5. *The thesis will be presented at UT with a representative from LU presents (travel expenses will be paid by UT according to the separate agreement. Co-supervisor may attend the presentation via video conference)*

C. DEGREE COMPLETION AND CONFERRAL

1. *The parties agree to share detailed curricular information, including course syllabi, and to communicate any changes to degree completion requirements that may impact time to degree completion and related expenses.*
2. *A table of credit equivalencies between UT and LU is attached to this Agreement (Section Courses in LU and UT). This Agreement assumes that the table will be updated pending exchange of detailed information about the current curriculum at UT and LU including course descriptions with syllabi. The Agreement is to be enacted only after this updated table of equivalencies is completed to the satisfaction of both parties.*
3. *Each party will post transfer credits only when the other party has provided official transcripts and course descriptions and only when credit equivalency is verified by faculty members assigned by the department chair or dean.*
4. *The appropriate Lund University degrees will be awarded to UT students upon successful completion of all degree requirements and when students comply with the requirement to return to the home campus of UT as specified herein.*

D. HOUSING, HEALTH INSURANCE AND VISAS

1. *LU will assist incoming UT students in locating suitable accommodations and offer, as appropriate, assistance on registration and advice regarding campus life, health, goods and services, and cultural adaptation.*
2. *LU will provide the required documents for the UT students, needed to apply for nonimmigrant visas for their study period in Sweden. UT students are responsible for paying any costs for obtaining those visas.*
3. *LU will provide UT-students with the insurance for Fee-Paying Students "FAS+" by the Swedish Legal, Financial and Administrative Agency (Kammarkollegiet) i.e. medical insurance for the full period of the exchange. For more information: www.kammarkollegiet.se/english/insurance.*

Prospective incoming students from UT will be recommended to read the insurance text and if they so wish, arrange their own complementary insurance.

PROGRAM COORDINATION

Further details regarding the implementation of this agreement will be established and communicated by each party. Each party will appoint a coordinator who will be responsible for the successful operation of the program. Duties will include, but are not limited to, publicizing the program, recruiting and screening for the program, making necessary academic arrangements for the program, advising the participants on housing and travel issues, and facilitating visa. For LU, Associate Professor Dr Ali Mansourian will serve as Program Coordinator. For UT, Assistant Professor Dr Ara Toomanian will serve as Program Coordinator.

COMMUNICATIONS & NOTICES

Each party shall send communications or notices pertaining to this Sub-Agreement to the other party at the relevant address set forth below or to such other address designated by that other party through written notice.

*Lund University: Ali Mansourian
LU-UT Joint Program Coordinator,
Department of Physical Geography & Ecosystem Science,
GIS Centre
Sölvegatan 12, 223 62, Lund, Sweden
Tel: +46 (46) 222 17 33
Mobile: +46 720 108 096
Email: Ali.Masourian@nateko.lu.se*

*University of Tehran: Ara Toomanian
LU-UT Joint Program Coordinator,
Department of GIS & RS
Faculty of Geography
University of Tehran,
Azin Street, Vesal Ave.,
Enghelab Ave.,
Tehran, Iran
Tel: +98 (21) 664 01 894
Mobile: +98 912 278 26 41
Email: A.Toomanian@ut.ac.ir*

DURATION OF AGREEMENT

This Agreement shall be in force and be binding upon the parties here to for a period of five (5) years from the date of this Agreement, and is renewable. This Agreement may be amended prior to the expiration of the foregoing period only by mutual consent. Either party may terminate this Agreement with six (6) months advance notice. If the Agreement between LU and UT is terminated or expires, this Agreement will also terminate. In the

event that this Agreement between LU and UT is terminated, student candidates currently enrolled shall be permitted to complete the program in accordance with the terms of this Agreement.

This Agreement between LU and the UT exists under special arrangements between the two universities and various authorities that govern each university. Operation of the program is contingent upon continued approval from authorities that govern LU for its part and UT for its part. In the event that the program is canceled because of action or inaction of governing authorities -or other circumstances beyond the control of LU or University of Tehran- both universities will make good faith efforts to provide options that permit current students to finish their degree programs by alternative means that are consistent with applicable laws and regulations and existing circumstances.

USE OF LOGO AND NAME TO PROMOTE THE PROGRAM

Each party grants, for the term of this Agreement, a limited, non-exclusive, royalty-free license to use its logo and name, to the other party, solely for the promotion of this Sub-Agreement and any joint programs and projects developed hereunder. Except as otherwise set forth in this paragraph, each party agrees not to use the other party's name, trademarks, or other intellectual property in any manner whatsoever without prior written consent in each instance.

DISPUTE RESOLUTION

In the event of a dispute arising out of or relating to this Sub-Agreement, the parties shall establish a committee of six (6) senior representatives, three (3) appointed by each party, to attempt to resolve the dispute.

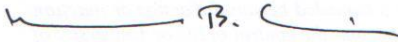
EQUAL OPPORTUNITY

Both institutions subscribe to the policy of Equal Opportunity and will not discriminate on the basis of race, sex, sexual orientation, age, ethnicity, religion or national origin. Both institutions shall abide by these principles in the administration of this Sub-Agreement and neither institution shall impose criteria that would violate the principles of non-discrimination.

IN WITNESS WHEREOF, the parties have caused this agreement to be duly executed.

On behalf of
University of Tehran

On behalf of
Lund University



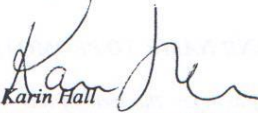
Mohammad Bagher Ghahremani
Vice President for International Affairs



Eva Wiberg
Lund University
Deputy Vice-Chancellor



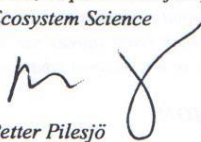
Ebrahim Moghimi
Dean, Faculty of Geography



Karin Hall
Head, Department of Physical Geography and
Ecosystem Science



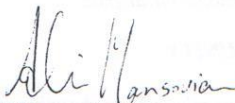
Farshad Amiraslani
Director of International Affairs,
Faculty of Geography



Petter Pilesjö
Deputy Director of the Department
Director, Lund University GIS Centre



Ara Toomanian
LU-UT Joint Program Coordinator,
Faculty of Geography



Ali Mansourian
LU-UT Joint Program Coordinator
Department of Physical geography and Ecosystem
Science

Table 1: The table below provides more information about the TOEFL/IELTS test scores required for admission, and course requirement in LUND

| |
|---|
| M.S. program – English proficiency requirements |
| Minimum admission requirement: TOEFL iBT 79, with sub scores: Writing (18), Speaking (18), Listening (14), Reading (19) IELTS 6.5: No minimum sub score requirement |

Tuition and Fees

The tuition fee for two cases (a and b) are calculated based on the following breaks:

→ Studying (course work) in UT (UT part): equivalent to the MSc tuition fee for International Campus students (for 2015, approximately 3250 USD).

<http://ut.ac.ir/en/page/790/annual-tuition-fee-for-international-students>

Studying (course work) in LU (LU part): 35,000 SEK per student

Accommodation in Sweden: It is estimated 30,000 SEK per student for 4.5 months stay in Sweden.

Supervision cost in LU (LU part): 25,000 SEK per student. Co-supervision is conducted by UT

Co-Supervision for quality assurance (LU part): 2,000 SEK per student.

Travel for the defense to Tehran: 0 SEK (Through Video Conference).

- a. MSc. 1.5+0.5 tuition fee is estimated to total 3250 USD + 37,000 SEK based on one semester taken at LU, not including mandatory health insurance (2015-16 rates). The student pays for his accommodation and travel expenses.
- b. MSc. 1+1 tuition fee is estimated to total 3250 USD + 60,000 SEK based on two semesters taken at LU, not including mandatory health insurance (2015-16 rates). UT provides co-supervision of the thesis work. The student pays for his accommodation and travel expenses.

MSc. Thesis Research Topic Approval

A joint committee from two partners is responsible for the thesis topic approval based on the LU and UT scientific interests.

UT Faculty Co-Advising of M.S. Thesis Students

It is possible that up to 2 UT faculty members can be appointed to serve on a student's advisory committee functioning as co-advisors with the necessary approvals.

Courses in LU and UT

UT students should receive 32 (26 course + 6 Thesis) UT credits for MSc.
For each course (34 hours) students receive 2 credits.

Students start 24 Sept, Year 1 at UT. They pass the following courses (18 UT Credits) at UT

- Introduction to GIS (کاربرد ساج در آب و خاک)
- Advanced GIS (ساج پیشرفته)
- Geographical Database Management (مدیریت پایگاه اطلاعات)
- Principles and Physics of RS (اصول و فیزیک سنجش از دور)
- Research methodology (روش تحقیق در ساج و سنجش از دور)
- Advanced digital image processing (پردازش تصاویر رقومی پیشرفته)
- Digital Elevation Model and Interpolations (مدل رقومی زمین)
- Spatial Analysis ()
- Applied RS in Soil and Water (Conditional)
- Applied RS in Urban and Rural Studies (Conditional)

Students continue 1 Sept, Year 2 at LU. They pass the following courses (8 UT Credits) at LU

- Programming for applications in Geomatics, physical geography and ecosystem science (4 UT Credits = 15 LU Credits)
- WebGIS for applications in Geomatics, physical geography and ecosystem science (2 UT Credit = 7.5 LU Credits)
- Algorithms in GIS (2 UT Credit = 7.5 LU Credits)

Students continue 15 Jan, Year 2 at UT. They start thesis (6 UT credits)