



**Università degli Studi di Udine**

## **AGREEMENT ON A DOUBLE DEGREE PROGRAM**

### **BETWEEN**

University of Udine, represented by its Rector, Prof. Alberto Felice De Toni, with legal domicile at University of Udine, Via Palladio n. 8, 33100 Udine (Italia), codice fiscale 80014550307;

### **AND**

Alpen-Adria-Universität Klagenfurt, represented by its Vice-Rector for Studies and International Relations Ass.-Prof. Dr. Cristina Beretta M.A., with legal domicile at Alpen-Adria-Universität Klagenfurt, Universitätsstraße 65-67, A-9020 Klagenfurt (Austria);

### **PREAMBLE**

This double degree agreement stems from the desire of its signatories, the two institutions mentioned above, in the spirit of European co-operation, to set up and develop a system of academic exchange.

This European awareness, present in both academic institutions, forms the basis for them to co operate in their dual sphere of teaching and research within the framework of existing and future programs promoted by the Commissions of the European Community. Hence, the Alpen-Adria- Universität Klagenfurt and the University of Udine have decided to institute an exchange of students that will culminate in the award of a double degree of both institutions under the conditions specified hereunder.

Both universities had already established an agreement joint degree program) between the study programs "Electronic Engineering" (University of Udine) and "Information Technology" (Alpen-Adria- Universität Klagenfurt), signed on March 10, 2011.

At the expiry of this first agreement, in November 2014 a careful evaluation of the agreement, considering the positive and the negative aspects, was jointly produced and approved by the teachers boards of the two study programs. The final recommendation of this evaluation was to renew the agreement and this double degree agreement refers to this renewal.

For Italian Universities, the possibility to award degrees jointly with foreign universities is foreseen in art. 3, paragraph 10 of the Italian Ministerial Decree n. 270 of 22 October 2004, "Modifications to the regulations about norms concerning the didactic autonomy of the Universities, approved by means of the decree of the Minister of University and Scientific and Technological Research 3 November 1999, n. 509".

For Austrian universities the legal basis for awarding degrees jointly with foreign universities is established in UG 2002 §51 Abs. 2 Z 27.

## 1. Definitions

Within the framework of this agreement:

- "home institution" refers to the institution in which a student is formally enrolled as a degree candidate;
- "host institution" refers to the institution that has agreed to receive students from the home institution for a period of study;
- "UNIUD study program" means the study program for the master's degree in Electronic Engineering of the University of Udine, Department of Electrical, Management and Mechanical Engineering;
- "KLU study program" means the study program for the master's degree in **Information and Communications Engineering** (Name change from Information Technology starting October 2015) of the Alpen-Adria-Universität Klagenfurt, Faculty of Technical Sciences.

## 2. Objectives

The University of Udine and the Alpen-Adria-Universität Klagenfurt establish to prosecute the collaboration in university training with the final aim to confer a master's degree on the following disciplinary areas: "Electronic Engineering" and "Information and Communications Engineering".

Upon the successful fulfillment of the requirements and conditions set forth in this document and its appendices, this agreement gives to students of the UNIUD study program and students of the KLU study program, the opportunity of receiving both the academic degree of the home institution and the legal effects of the corresponding academic degree of the host institution. In particular, upon successful fulfillment of the conditions set forth in this agreement the students of the Alpen-Adria-Universität Klagenfurt shall be awarded the degree "Diplom-Ingenieurin" or "Diplom-Ingenieur" and the legal effects of the degree "Laurea Magistrale" (Electronic Engineering) of the University of Udine. Upon successful fulfillment of the conditions set forth in this agreement the students of the University of Udine shall be awarded the degree "Laurea Magistrale" and the legal effects of the degree "Diplom-Ingenieurin" or "Diplom-Ingenieur" of the Alpen-Adria-Universität Klagenfurt. The University of Udine and the Alpen-Adria-Universität Klagenfurt shall each issue a certificate on the academic degree according to its regulations. Besides, the certificates will be accompanied by a bridge document containing relevant facts on the double degree program.

To fulfill this agreement, both partners agree to respect the laws and regulations in force in the two countries.

The details of this agreement are reported in Appendices A and B. These appendices may be modified with a written agreement between the Program Coordinators of both institutions (Section 6).

## 3. Candidates for the Double Degree (DD) Program

- a) The students registered as master's degree candidates at UNIUD or KLU study program shall have access to the DD Program.
- b) The students shall be screened for eligibility for admission as DD Program candidates by their home institution. The home institution shall respect the admission requirements and enrollment constraints of the host institution.
- c) The DD Program candidates are to be nominated by their home institution. This nomination shall replace the evidence of university entrance qualification and the legalization. Only students with very good standing at their home institution might be nominated for this program. Details of nomination are pointed out in Appendix A.
- d) The DD Program candidates shall be subject to the standard rules, regulations and enrollment constraints of the host institution. They shall register at the host institution only

## **Università degli Studi di Udine**

for the parts of the study program which will be carried out under the responsibility of the host institution. In terms of registration procedure, they shall be granted all privileges for candidates of "mobility programs".

- e) On the basis of reciprocity, the host institution shall waive the DD Program candidates of the tuition fees related to those parts of the study program which will be carried out at the host institution.

### **4. Courses, Exams and Theses**

- a) The exams for the individual courses shall follow the rules of the institution where the course was audited and is examined. The final exams shall be organized under the responsibility of both institutions. The examination boards shall be composed of faculty members. In general, they will be composed of chaired professors.
- b) The DD Program theses shall be supervised jointly by both institutions. For that reason, the DD Program candidates shall choose one main supervisor for one institution, and shall be allocated a second supervisor from the other institution. Both supervisors shall be members of the examination board for the oral master exam.
- c) Details about courses to be audited and examined will be pointed out in Appendix B.

### **5. Conditions for Obtaining the DD Program Degree**

- a) The DD Program degree shall only be awarded after the student has completed his/her studies at the home institution and has additionally fulfilled the following requirements:
  - 1) award of at least 30 ECTS credit points under the responsibility of the host institution, and
  - 2) completion of a diploma/master thesis; and
  - 3) successful completion of the oral (and, if applicable written) master exams.
- b) After the completion of the master exam, the University of Udine and the Alpen-Adria Universität Klagenfurt shall each issue a certificate on the academic degree according to its regulations. Besides, the certificates will be accompanied by a bridge document containing relevant facts on the double degree program.
- c) For the purpose of international mobility, the DD diploma will be accompanied by a diploma supplement according to art. IX 3 of the Lisbon Recognition Convention of 11 April 1997.

### **6. Reimbursements**

In the case of reimbursements, expenses for travel and accommodation will be remitted to the students' account. The host institution engages to help students in their incoming procedures and in obtaining the same facilities available for their students and/or scholars.

Before students' departure for the host institution, the home institution must guarantee that exchange students have purchased the required insurance.

## **7. Program Coordination and Student Counseling**

- a) Each institution will nominate a program coordinator to ensure that the DD Program proceeds according to a reasonable schematic plan and that the terms of this agreement are carried out.
- b) Each program coordinator will ensure that a substitute or replacement of this institution's coordinator is named. Each program coordinator will ensure that the partner institution has all necessary information available for the promotion of the program.
- c) Further on, the host institution will appoint, for each student a tutor to whom he/she may apply for advice or assistance during his/her stay in the host country.
- d) The persons responsible for the program at both institutions shall meet at least once a year in order to:
  - review the effectiveness of the teaching programs;
  - examine the academic results achieved by the students in the light of the institutions' joint effort;
  - propose further actions.

## **8. Resolution of Conflicts**

The parties agree to solve in a friendly manner any controversy arising from the interpretation of the present agreement.

## **9. Duration, Amendment, Review and Termination of Agreement**

- a) This agreement shall be in force from 1st of July 2015 and will be binding upon the parties for a period of three years. In the absence of substantial changes it may be renewed at the same conditions and for the same period by a written agreement between the two parties, according to subsequent clause b).
- b) The agreement may be terminated at the request of either institution, provided such request is made in writing at least twelve months before renewal is to become effective. Any termination of the agreement must take into account the rights of students already participating or accepted for any exchange to complete the parts of the study program which will be carried out under the responsibility of the host institution.
- c) An evaluation of this agreement will be initiated by both institutions at least twelve months prior to its expiration to ascertain if the program should be continued and, if so, how it might be improved. The agreement shall be subject to revision or modification or after proper evaluation by mutual written agreement.

## **10. Support for this program**

Alpen-Adria-Universität Klagenfurt and University of Udine shall take all necessary joint actions vis-à-vis governments and the Commissions of the European Community to secure financial aid for this program.

## **11. Promotion of the program**

In order to promote joint actions in education and research, both Alpen-Adria-Universität Klagenfurt and University of Udine shall encourage:

- the exchange of students, university staff and researchers;
- study sessions, workshops, and seminars on previously agreed subjects;
- the exchange of information, documents and scientific publications;

**Università degli Studi di Udine**

- student exchange involving work in practice or visits to companies.

The exchange of persons shall comply with the regulations and procedures in force at the home institutions.

**12. Waiver of financial obligations**

The signing of this agreement does not entail any financial obligation for the parties.

For the Alpen-Adria-Universität Klagenfurt

For the University of Udine

Vice-Rector for Studies and International Relations  
Ass.-Prof. Dr. Cristina Beretta M.A., e.h.

Vice Chancellor  
Prof. Alberto Felice De Toni, e.h.

Klagenfurt, the 04.08.2015

Udine, the 26.06.2015

## **Appendix A**

to the Agreement on a Double Degree Program between the University of Udine (Italy) and the Alpen-Adria-Universität Klagenfurt (Austria).

### **Nomination of candidates for a joint diploma/degree program**

#### **1. Precondition**

The home institution will nominate only students that have already obtained their bachelors degree (or an equivalent degree) and have been admitted to the master's degree program at the home institution.

The selection of nominees will be based on their academic results, i.e. nominated students shall be of very good standing at their home institution. Further, knowledge of English and/or the language of the host country (German or Italian) is an important side condition.

Nominated students are entitled to continue their curriculum in the first and second years of the master's degree studies at the host institution.

The candidates from the University of Udine that ask for the registration to the first year of the DD Program must have fulfilled the following requirements:

- a) completion of first level degree corresponding, for Italian students, to the possession of a three-years degree in the following classes: L-8 information engineering;
- b) a foreign language of European Union in both oral and written form;

#### **2. Quota**

Every year a maximum quota of 10 exchange students per institution will be admitted to this program. These students will pay no fees to the host institution for the entire period of the exchange.

The quota of students per year mentioned above will be subject to observation and review. In case this number proves impractical, it might be changed by written agreement signed by the respective rector (or vice-rector in charge) of both institutions.

Students exceeding the above-mentioned quota will not partake in this program but will have the possibility to be normally enrolled in each institution as foreign students originating from an EU-member state.

#### **3. Procedural requirements**

The student nomination for the DD program will take place in two phases:

- a) For each semester, the home institution will inform the host institution about the number of students it will nominate according to this program. This will be carried out by July 31 and January 3, respectively for the first and second semester.
- b) The nominees for the next semester will be named and copies of their documents will be sent to the host institution at the latest one month before the start of the host-semester.

#### **4. Preparatory steps**

Each nominated student has to be formally registered by the host institution.

Before the start of the DD program, the student shall define the details of the courses to be studied at the host institution. This operation shall be carried out in agreements and with the approval of the supervisors of both the home and of the host institution.

## Appendix B

to the Agreement on a Double Degree Program between the University of Udine (Italy) and the Alpen-Adria-Universität Klagenfurt (Austria).

### Courses, Exams and Theses

#### 1. ECTS-Credits and exam grading

The DD Program joining the degree of Electronic Engineering at the University of Udine and the degree of information Technology at the Alpen-Adria-Universität Klagenfurt comprises 120 ECTS credits.

The semesters of the master's program spent at either home or host institution shall be fully recognized. The examinations of the courses taken at the host institution, considered as equivalent to examinations taken at the home institution, are specified below (section 2).

For each exam, the grading achieved at the host institution shall be converted by the home institution according to the ECTS grading scale defined by the European Commission.

The students nominated for the DD program shall acquire at least 30 ECTS at the host institution. At most 60 ECTS acquired at the host institution can be recognized for the degree program at the home institution.

#### 3. Theses

At the end of their study program, the students nominated for the DD program shall produce a master thesis written in English. This thesis shall be presented at both institutions.

The students nominated for the DD program will complete their master thesis in either the home or the host institution. To this purpose, each student nominated for the DD program will choose one main supervisor from the institution where the thesis work is carried out. A second supervisor shall be allocated from the other institution. Both supervisors should be members of the examination board for the master exam

The master final exam will include an oral defence of the thesis work and will be given either in the home or in the host institution. For this exam, a joint board will be nominated, which includes both KLU and UNIUD members. This board will be made of at least five members.

Variations of the exam procedure and board composition may be adopted according to changes of the corresponding procedures of either institution.

The exam final grade will be given on the basis of the student's career and of the thesis defence. Independent grades will be assigned according to the criteria of both institutions.

After the final exam, an official document will be filled and signed by the examination board in agreement with the administrative rules of both institutions. This document will trigger the final degree release by both institutions.

Thereafter, the student shall be awarded the degree "Diplom-Ingenieurin"/"Diplom Ingenieur" by the Alpen-Adria-Universität Klagenfurt and the degree "Laurea Magistrale" (Electronic Engineering) by the University of Udine, with all the legal effects in both countries.

## 2. Courses followed at the host institution

The courses eligible for the DD program will be held in English.

The courses eligible for the DD program study may change with time according to the policy of either institution. In any case, each institution will guarantee an adequate courses offer, to permit the student's selection.

For each study year, each institution will provide a list of available courses for DD students.

The students nominated for the DD program shall select courses of the host institution in total of at least 24 ECTS during their stay at the host institution in the specialization areas mentioned below. The remaining courses required to reach the minimum requirement of 30 ECTS credits can be selected from the dictionary of the host institution. It is recommended to complement the student's technical training at the host institute by pursuing some courses covering non-technical issues such as feminist research/gender studies, technology assessment, languages, social and economic aspects.

Students from UNIUD should follow KLU courses from the specialization areas:

Networks and Communications:

- "Mobile and Wireless Systems" (MWS), "Pervasive Computing" (PC),
- "Embedded Communications and Signal Processing" (ECSP),
- "Media Engineering" (ME)
- Smart Grids (SG)

Autonomous Systems and Robotics:

- "Intelligent Transportation Systems" (ITS),
- "Sensors and Actuator Technologies" (SAT)
- "Control of Networked Systems (CNS)",
- "Media Engineering" (ME)

of the master program Information Technology and/or Information and Communications Engineering.

Examples for courses of the specialization areas are enlisted in Table 1. The complete list of courses can be found in the electronic course dictionary of the Alpen-Adria-Universität Klagenfurt.

**Table 1: Examples of courses offered by the Alpen-Adria-Universität Klagenfurt, Faculty of Technical Sciences**

<b>Course</b>	<b>Specialization area</b>	<b>Semester</b>
Mobile and Wireless Communications	MWS	Fall
Mobile and Wireless Networking	MWS	Spring
Transportation Telematics	ITS	Fall
Systems Science and Neurocomputing	ITS	Spring
Pervasive Computing	PC	Fall
Sensor Networks	PC	Spring
Embedded Communications	ECSP	Fall
Adaptive and Statistical Signal Processing	ECSP	Spring
Sensors and Actuators	AM	Fall
CAE of Mechatronic Systems	AM	Spring
Control Systems	CMS	Fall
Digital Control	CMS	Spring



Students from KLU should follow UNIUD courses from the specialization areas:

“Microelectronics”

“Telecommunications”

“Industrial automation and robotics”

“Computer sciences and networking”

Examples for available courses of the master program Electronic Engineering are enlisted in Table 2. The complete list of courses can be found in the electronic course dictionary of the Faculty of Engineering of University of Udine.

**Table 2: Examples of courses offered by the University of Udine, Faculty of Engineering**

<b>Course</b>	<b>Specialization area</b>	<b>ECTS</b>	<b>Semester</b>
Electronics for digital systems	Microelectronics	6	Winter
Parallel architectures	Microelectronics	6	Spring
Microwaves	Telecommunications	6	Spring
Electronic systems for high frequencies	Microelectronics	6	Winter
Electronic circuits for high frequencies	Microelectronics	6	Winter
Electronic instrumentation and sensors	Microelectronics	6	Winter
Electrical drives I	Industrial automation and robotics	6	Spring
Electrical drives II	Industrial automation and robotics	6	Spring
Electrical and electronic measurements	All	6	Winter
Electronic devices and components	Microelectronics	6	Winter
Nanoelectronics and bioelectronics	Microelectronics	6	Winter
Electronic systems design	Microelectronics	6	Spring
Computers design and operating systems	Computer sciences and networking	6	Spring
ICT laboratory	Interdisciplinary	6	Spring
Power electronics	Industrial automation and robotics	6	Spring
Industrial electronics	Industrial automation and robotics	6	Spring

Courses completed at the University of Udine can be recognized for courses of the Appendix B (DD Agreement UNIUD-KLU)

technical supplement I (Fach "Technischer Schwerpunkt I") or the technical supplement II (Fach "Technischer Schwerpunkt II").

Students are required to clarify the details of the courses to be pursued at the host institution before start of the semester with the program coordinator of the home institution. Students can further apply for recognition of the courses at the host institution at the study program director {"Studienprogrammleiter"} of the master program information Technology in advance.

#### **4. Miscellaneous**

Minor adaptations of the rules for recognizing courses, exams and theses specified in this agreement can be arranged jointly by the program coordinators of both institutes.