



AGREEMENT ON THE DOUBLE DEGREE PROGRAMME "MULTIMEDIA COMMUNICATIONS AND INFORMATION TECHNOLOGY" (UNIUD) AND "INFORMATION AND COMMUNICATIONS ENGINEERING (ICE)" (UNI-KLU) – MASTER LEVEL

between

University of Udine (UNIUD), represented by its Rector, Prof. Roberto Pinton, with legal domicile at University of Udine, Via Palladio n. 8, 33100 Udine (Italia), codice fiscal 80014550307

and

Universität Klagenfurt (UNI-KLU), represented by its Vice-Rector for Education Ass.-Prof. Dr. Doris Hattenberger, with legal domicile at Universität Klagenfurt, Universitätsstraße 65-67, 9020 Klagenfurt am Wörthersee (Austria);

PREAMBLE

This Agreement on a Double Degree Programme stems from the desire of its signatories, the two institutions mentioned above, to set up and develop a system of academic exchange in the spirit of European cooperation. This European awareness, present in both academic institutions, forms the basis to cooperate in dual sphere of teaching and research within the framework of existing and future programmes promoted by the European Commission.

Hence, Universität Klagenfurt (hereafter UNI-KLU) and University of Udine (hereafter UNIUD) have decided to institute an exchange of students that will culminate in the awarding of a Double Degree Diploma of both institutions under the conditions specified hereunder.

For Austrian universities the legal basis for awarding degrees jointly with foreign universities is established in the Federal Act on the Organisation of Universities and their Studies (Universities Act 2002 – UG) Section 51 Para. 2 Clause 26, Section 54d, Section 86 Para.1 and 87 Para. 5.

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".

Both partners agree to respect the laws and regulations in force in the two countries.

Furthermore, the Parties undertake to comply with the 2016/679 EU regulation (GDPR) concerning the protection of individuals with regard to the processing of personal data. The parties undertake to process data exclusively for the purposes identified in the Agreement.

Definitions

Within the framework of this Agreement

- "Home Institution" refers to the institution at 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 Programme" corresponds to the Master's Degree Programme "Multimedia Communications and Information Technology", offered at UNIUD,





- "UNI-KLU Study Programme" corresponds to the Master's Degree Programme "Information and Communications Engineering (ICE)" offered at UNI-KLU,
- "Double Degree Diploma" corresponds to the Master's Degree Certificate, the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale"), and the Diploma Supplement according to art. IX.3 of the Lisbon Recognition Convention of April 11, 1997 issued by the DD students' Home Institution in combination with the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale"), issued by the DD students' Host Institution.

2. Objectives

UNIUD and UNI-KLU have agreed to pursue a collaboration in university training with the final aim to confer the Master's Degree Programmes "Information and Communications Engineering (ICE)" (UNI-KLU) and "Multimedia Communications and Information Technology" (UNIUD). Upon the successful fulfilment of the requirements and conditions set forth in this document and its appendices, this Agreement provides students of the UNIUD Study Programme and students of the UNI-KLU Study Programme with 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 fulfilment of the conditions set forth in this Agreement, students of UNI-KLU shall be awarded the degree "Diplom-Ingenieurin" or "Diplom-Ingenieur", and the legal effects of the conditions set forth in this Agreement be awarded the degree "Laurea Magistrale" and the legal effects of the degree "Diplom-Ingenieurin" or "Diplom-Ingenieur" of UNI-KLU.

3. Fundamental Principles

Both UNI-KLU and UNIUD shall

- a) respect in full the principles of non-discrimination and ensure equal access and opportunities to mobile participants from all backgrounds,
- b) publish and regularly update the course catalogue on the website of the institution well in advance of the mobility periods, so as to be transparent to all Parties and allow mobile students to make well-informed choices about the courses they will follow, and
- c) provide assistance, when required, in securing visas, obtaining insurance for incoming and outgoing students and information about university services.
- d) inform incoming students of accommodation options on or near campus on the conditions for renting accommodation (i.e. costs, registration and accommodation contract details, responsibilities). The Host Institution shall assist incoming students in finding accommodation in residence halls or appropriate off-campus accommodation. Information on accommodation options shall be made available to the incoming students well in advance of the mobility period (e.g. Host Institution's website, list of selected real estate agencies, etc.).

4. Candidates for the Double Degree (DD) Programme

- Students registered as Master's Degree Programme candidates at the respective UNIUD or UNI-KLU study programmes shall have access to the DD Programme. Further details on prerequisites are pointed out in Appendix A.
- b) Interested Master's Degree candidates shall be screened for eligibility for admission as DD students by their Home Institution. The Home Institution shall respect the admission requirements and enrolment constraints of the Host Institution.
- c) DD students are to be nominated by their Home Institution. This nomination shall replace the evidence of university entrance qualification and the legalisation. Both Institutions shall strive to select only well qualified students with a strong academic record for the programme. Academic backgrounds and, if applicable, letters of recommendation shall be provided by the Home Institution. Details of nomination are pointed out in Appendix A.





- d) DD students shall be subject to the standard rules, regulations and enrolment constraints of the Host Institution. They shall register at the Host Institution for those parts of the study programme, which are to be carried out under the responsibility of the Host Institution and shall stay registered at both the Home and the Host Institution for the relevant period of study until graduation. In terms of registration procedure, DD students shall be granted all privileges for incoming students enrolled at the Host Institution in the framework of bilateral mobility programmes.
- e) The Host Institution will charge no fees to incoming students for tuition, registration, exams, or access to laboratory and library facilities. On the basis of reciprocity, the Host Institution shall waive tuition fees for DD students for the standard period of study plus one additional semester. If applicable, DD students will continue to pay tuition fees to their Home Institution during this study period.
- f) Fees at the Host Institution may arise for special programmes, which are not part of the Master's Degree Programmes "Information and Communications Engineering (ICE)" (UNI-KLU) and "Multimedia Communications and Information Technology" (UNIUD). At UNI-KLU, incoming students are charged a fee for the German Language Courses at the Language Center of UNI-KLU. Pursuant to § 91 of the Universities Act (Universitätsgesetz, UG) and § 38 of the Union of Students Act 2014 (HochschülerInnen- und Hochschülerschaftsgesetz 2014, HSG 2014), membership to the Austrian National Union of Students (ÖH) is compulsory and ÖH membership fees must be paid by all students, including those whose tuition fees are waived.
- g) A maximum of ten (10) students per institution will be admitted to the DD Programme per year. This number will be reviewed according to the interest shown in the DD Programme. Details on quota are pointed out in Appendix A. The number of grants to be awarded by each institution is specified in additional agreements (e.g. Erasmus+ Inter-institutional Agreement) between UNIUD and AAU.

5. Courses, Exams, and Theses

- a) Exams for individual courses shall follow the rules of the institution where the respective course was audited and is examined. Details about courses to be audited and examined during mobility periods are pointed out in Appendix B.
- b) DD Master Theses have to be registered at the DD students' Home Institution and shall be supervised jointly by both the Home and Host Institution. For that reason, each DD student shall choose one main supervisor of one institution, and shall be assigned a second supervisor of the other institution. The title page of the DD Master Theses must appropriately indicate the DD Programme according to the Agreement and both the Home and the Host institution. A template for the title page is provided in Appendix C.
- c) The Master's Examination shall be organised under the responsibility of and in accordance with the University Statutes and the respective guidelines of the DD students' Home Institution, which are pointed out in Appendix B.

6. Conditions for Obtaining the Double Degree Diploma

- a) The DD Master's Degree Certificate shall only be awarded after the DD students have acquired a minimum of 30 and a maximum of 60 ECTS credit points under the responsibility of the Host Institution, and have successfully completed both DD Master Thesis and DD Master's Examination.
- b) After the completion of the DD Master's Examination, the Home Institution shall issue the Master's Degree Certificate, the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale"), and a Diploma Supplement according to art. IX.3 of the Lisbon Recognition Convention of April 11, 1997. After having received confirmation of the successful completion of the Master's Examination along with the protocol summarising the examination procedure from the Home Institution, the Host Institution shall issue the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale"). The Diploma Supplement of the Home Institution should include an indication that the completed study





programme is a Double Degree Programme and that graduates are awarded the academic degree of the Home Institution along with the legal effects of the corresponding academic degree of the Host Institution.

7. Reimbursements

Each institution shall make genuine efforts to find resources so as to cover totally, or at least partially, the expenses of its DD outgoing students (e.g.: Erasmus+ grants, etc.).

8. Programme Coordination and Student Counselling

- a) Each institution will nominate a Programme Coordinator to ensure that the Double Degree Programme proceeds according to a reasonable schematic plan and that the terms of this Agreement are carried out. Programme Coordinators will ensure that a substitute or replacement for them is named.
- b) Each Programme Coordinator will ensure that the Partner Institution has all necessary information available for the promotion of the DD Programme. Programme Coordinators shall meet physically or in a video conference at least once a year in order to review the effectiveness of the teaching programmes, and propose further actions.

9. Resolution of Conflicts

The Parties agree to solve in a friendly manner any dispute arising out of or in connection with the present Agreement, including the validity, interpretation, implementation, and effect of it. In the event that the disagreement cannot be resolved, the issue(s) will be submitted for arbitration; each Party will appoint a member of the arbitration panel, and one member will be chosen by mutual consent.

10. Duration, Amendment, Review, and Termination of Agreement

This Agreement on the Double Degree Programme shall commence concurrently with the expiration of the initial term on 1st of November 2019, and will be binding upon the two parties for a period of five (5) 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.

In case of changes in the course offer due to changes of underlying curricula of either institution, Appendix B of the Agreement on the Double Degree Programme has to be modified accordingly.

This Agreement on the Double Degree Programme 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 this Agreement must take into account the rights of students already participating in or accepted for any exchange to complete the parts of the study programme, which will be carried out under the responsibility of the Host Institution.

An evaluation of this Agreement shall be initiated by both institutions at least twelve (12) months prior to its expiration to ascertain, whether the programme should be continued and, if so, how it might be improved. The Agreement shall be subject to revision or modification after proper evaluation by mutual written agreement.

11. Support of the Double Degree Programme

UNI-KLU and UNIUD shall take joint action to involve governments and the European Commission to secure financial support for this programme. In order to promote joint actions in education and research, both UNI-KLU and UNIUD shall encourage

- the exchange of students,
- the exchange of university staff and researchers in accordance with the regulations and procedures in force at both institutions,
- the organisation of joint study sessions, workshops, and seminars.





12. Waiver of Financial Obligations

The signing of this Agreement does not entail any financial obligation for either Party.

For Universität Klagenfurt Vice-Rector for Education

Ass.-Prof. Dr. Doris Hattenberger

Klagenfurt, the 44, 07 2021

For University of Udine Chancellor

Prof. Roberto Pinton Udine, the





Appendix A

to the Agreement on the Double Degree Programme "Multimedia Communications and Information Technology" (UNIUD) and "Information and Communications Engineering (ICE)" (UNI-KLU) – Master Level

Prerequisites

Nomination of Candidates

The Home Institution will nominate only students that have already obtained their bachelor's degree (or an equivalent degree) and have been admitted to the respective Master's Degree Programme at the Home Institution.

Students interested in the DD Programme shall be screened for eligibility for admission by the Home Institution. The Home Institution shall respect the admission requirements and enrolment constraints of the Host Institution. The selection of nominees will be based on their academic results, i.e., nominated students shall be well qualified with a strong academic record. Further, good command of the English language and/or the language(s) of the host country are important side conditions.

In order to be admitted to the DD Programme, candidates from UNIUD must be interviewed by a specific committee nominated by the Study Course Council. Moreover, the committee must examine the previous Curriculum Studiorium of the student to judge if it is adequate or not.

Candidates from UNI-KLU must hold an undergraduate academic degree (Bachelor of Science (BSc)) in "Information Technology (German: BSc in Informationstechnik)" (or equivalent).

1. Quota

Every year a maximum of ten (10) students per institution will be admitted to the Double Degree Programme. The Host Institution will waive tuition fees for these ten (10) students for a maximum of three (3) semesters.

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

Students exceeding the stipulated quota will not partake in the DD Programme but will have the possibility to be normally enrolled at each institution as regular degree-seeking international students.

2. Procedural Requirements

The student nomination for the DD Programme shall take place in two phases:

- a) At least four (4) months prior to the beginning of the mobility period, the Home Institution shall inform the Host Institution about the number of students to be nominated.
- b) After nomination, copies of the nominees' documents shall be sent to the Host Institution at the latest one (1) month before the start of the mobility period.

3. Preparatory Steps

Each nominated student has to be formally registered at the Host Institution.

Prior to the start of the mobility period, DD students are required to choose courses at the Host Institution and, if applicable, complete a Learning Agreement. The process of selecting courses shall be carried out under the supervision of the Programme Coordinators and with the approval of the Programme Directors for the respective Master's Degree Programmes of both the Home and the Host Institution.





Appendix B

to the Agreement on the Double Degree Programme "Multimedia Communications and Information Technology" (UNIUD) and "Information and Communications Engineering (ICE)" (UNI-KLU) – Master Level

Courses, Exams, Master Theses and Master's Examinations

1. ECTS Credit Points and Exam Grading

The DD Programme joining the Master's Degree Programme "Multimedia Communications and Information Technology" at UNIUD and the Master's Degree Programme "Information and Communications Engineering (ICE)" at UNI-KLU comprises 120 ECTS credit points.

The semesters of the Master's Degree Programme spent at either Home or Host Institution shall be fully recognised. Exams of courses taken at the Host Institution shall be considered as equivalent to exams taken at the Home Institution.

For each exam, the grading achieved at the Host Institution shall be converted by the Home Institution according to the ECTS grading scale as defined by the European Commission.

The students nominated for the DD Programme shall acquire at least 30 ECTS credit points at the Host Institution. At most 60 ECTS credit points acquired at the Host Institution can be recognised for the DD Programme. Subjects and course designations are specified in Section 2.

2. Course Offer at the Host Institution

The languages of instruction will be English and Italian.

The courses eligible for the DD Programme may change with time according to the policy of either institution. In any case, each institution will make sure that the course catalogue is published well in advance and will guarantee an adequate course offer to facilitate the students' selection. For each academic year, the DD Programme Coordinators will provide a list of available courses for DD students.

Students are required to clarify the details of the courses to be pursued at the Host Institution with the Programme Coordinator of the Home Institution before the start of the semester. Students are strongly recommended to apply for recognition of the courses at the Host Institution to the Programme Director for the Master's Degree Programme in advance. Courses and exams taken at the Host Institution will be recognised in accordance with the respective guidelines and procedures at the Home Institution.





2.1 Students from UNIUD

UNIUD students shall select courses in total of at least 30 ECTS credit points per semester from the courses and modules described below. These credits can be acquired in the most direct way by attending the first semester at UNI-KLU, whose courses can replace the UNIUD courses of the same semester according to the equivalence table reported below (Table 1).

Course title	ECTS credit points	UNIUD Courses	ECTS credit points
Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Mobile Communications (VC) Mobile Communications (KS) Pervasive Computing (VC) Pervasive Computing Lab (KS) Sensor Networks (VC) Transportation Telematics Advances: Digitalization, automation and smart Logistics (VC) Practical Introduction to Neural Networks and Deep Learning (KS) Data Mining and Neurocomputing (VC) Lab on Autonomous Driving Cars (KS) Seminar on Big Data, Predictive Analytics, and Automation in Telecommunications and Intelligent Transportation Systems (VS) Smart Cities – Technology, Management & Governance (VC) Mobile Applications with Androids (VC) Robotics Fundamentals (VC)	12	Pervasive Computing and Mobile Systems - INF/01	12
 Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Fundamentals of Image Processing (VC) Labor "Fundamentals of Image Processing" (KS) Data Mining and Neurocomputing (VC) Practical Introduction to Neural Networks and Deep Learning (KS) Vision Based State Estimation and Sensor Fusion (VC) Vision Based State Estimation and Sensor Fusion (KS) Signal Processing for Communications (VC) Signal Processing for Communications (KS) 	12	Media Engineering and Embedded Systems - ING-INF/05	12





Course title	ECTS credit points	UNIUD Courses	ECTS credit points
 Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Seminar in Multimedia Systems (SE) Introduction to Multimedia Technology (VO + KS) Fundamental Topics in Multimedia Systems: Current Topics in Multimedia Systems: Content Search with Deep Learning (VC) Current Topics in Multimedia Systems: Adaptive Media Streaming (VC) Lab on Autonomous Driving Cars (KS) Machine Learning in Intelligent Transportation (VC) Lab on Machine Learning and Applications in Intelligent Vehicles (KS) Mobile Applications with Androids (VC) Machine Learning for Information and Communication Engineering (VC) Seminar on Big Data, Predictive Analytics, and Automation in Telecommunications and Intelligent Transportation Systems (VS) Deep Learning and Spiking Neural Networks for Advanced Data Mining (VC) 	6	Multimedia Systems - ING-INF/05	6

Table 1: Equivalences between Courses offered at UNI-KLU and UNIUD

Other courses can be selected from the electronic course catalogue of UNI-KLU.





2.2 Students from UNI-KLU

UNI-KLU students shall select courses in total of at least 30 ECTS credit points per semester from the courses and modules described below. These credits can be acquired in the most direct way by attending the first semester in UNIUD, whose courses can replace the UNI-KLU courses of the same semester according to the equivalence table for each reported below (Table 2).

Course title	ECTS credit points	UNI-KLU Courses	ECTS credit points
Pervasive Computing and Mobile Systems - INF/01	12	Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Examples: Mobile Communications (VC) Mobile Communications (KS) Pervasive Computing (VC) Pervasive Computing Lab (KS) Sensor Networks (VC) Transportation Telematics Advances: Digitalization, automation and smart Logistics (VC) Practical Introduction to Neural Networks and Deep Learning (KS) Data Mining and Neurocomputing (VC) Lab on Autonomous Driving Cars (KS) Seminar on Big Data, Predictive Analytics, and Automation in Telecommunications and Intelligent Transportation Systems (VS) Smart Cities – Technology, Management & Governance (VC) Mobile Applications with Androids (VC) Robotics Fundamentals (VC)	12
Media Engineering and Embedded Systems - ING-INF/05	12	Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Examples: Fundamentals of Image Processing (VC) Labor "Fundamentals of Image Processing" (KS) Data Mining and Neurocomputing (VC) Practical Introduction to Neural Networks and Deep Learning (KS) Vision Based State Estimation and Sensor Fusion (VC) Vision Based State Estimation and Sensor Fusion (KS) Signal Processing for Communications (VC) Signal Processing for Communications (KS)	12





Course title	ECTS credit points	UNI-KLU Courses	ECTS credit points
Multimedia Systems - ING-INF/05	6	 Courses from the Elective Subjects: ASR-Advanced ICE-Supplements Seminar in Multimedia Systems (SE) Introduction to Multimedia Technology (VO + KS) Fundamental Topics in Multimedia Systems: Current Topics in Multimedia Systems: Content Search with Deep Learning (VC) Current Topics in Multimedia Systems: Adaptive Media Streaming (VC) Lab on Autonomous Driving Cars (KS) Machine Learning in Intelligent Transportation (VC) Lab on Machine Learning and Applications in Intelligent Vehicles (KS) Mobile Applications with Androids (VC) Machine Learning for Information and Communication Engineering (VC) Seminar on Big Data, Predictive Analytics, and Automation in Telecommunications and Intelligent Transportation Systems (VS) Deep Learning and Spiking Neural Networks for Advanced Data Mining (VC) 	6

Table 2: Equivalences between Courses offered at UNIUD and UNI-KLU





3. Registration of Master Theses and Master's Examinations

At the end of the Master's Degree Programme, each DD student shall produce a Master Thesis (equivalent to 28 ECTS credit points at UNI-KLU and 20 ECTS credit points at UNIUD) written in English. The title page of the DD Master Theses must appropriately indicate the DD Programme according to the Agreement and both the Home and the Host institution. A template for the title page is provided in Appendix C.

The Master Thesis will be registered at and supervised by the Home Institution. The student will receive methodological guidance on the elaboration of the Master Thesis from both Home and Host Institution. DD students shall choose one main supervisor from the institution where the thesis work is carried out and shall be assigned a second supervisor from the other institution. Both supervisors should be members of the examination board for the Master's Examination. Supervisors may join the examination board by teleconferencing.

The Home Institution shall thus be responsible for

- a. the registration of the Master Thesis (this also applies in the event that the main supervisor is from the Host Institution),
- b. the submission of the Master Thesis (this also applies in the event that the main supervisor is from the Host Institution).
- c. the registration for the Master's Examination and verification of the prerequisites (this also applies in the event that the Master's Examination is scheduled to take place locally at the Host Institution), as well as for
- d. conducting the Master's Examination.

The Master's Examination is to be conducted in accordance with the respective University Statutes and guidelines of the Home Institution.

The final grade will be based on the DD student's career and the Master's Examination. After the Master's Examination the Home Institution shall issue a protocol summarising the examination procedure, the Master's Degree Certificate, the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale"), and a Diploma Supplement according to art. IX.3 of the Lisbon Recognition Convention of April 11, 1997. After having received confirmation of the successful completion of the Master's Examination along with the protocol summarising the examination procedure from the Home Institution, the Host Institution shall issue the Notice of Award ("Verleihungsbescheid" or "Certificato di Laurea Magistrale").





Appendix C

to the Agreement on the Double Degree Programme "Multimedia Communications and Information Technology" (UNIUD) and "Information and Communications Engineering (ICE)" (UNI-KLU) – Master Level

Template for the title page



Place, month, year:



"[Student's name]"

[Title of the Master's Thesis] ([Subtitles, if any])

MASTER'S THESIS

submitted in fulfilment of the requirement for the degree of Diplom-Ingenieurin/Diplom-Ingenieur - Laurea Magistrale

In the framework of the Double Degree Programme

"Information and Communications Engineering (ICE)",
Alpen-Adria-Universität Klagenfurt
and
"Multimedia Communications and Information Technology",
University of Udine

Supervisor / Supervisors

Supervisor / Supervisors				
Academic Degree(s) First Name Family Name	Academic Degree(s) First Name Family Name			
University	University			
Department	Department			
Department:				

¹ The completed study programme is a Double-Degree Programme. The graduate obtains the right to hold one Master's Degree, in Austria "Diplom-Ingenieurin" or "Diplom-Ingenieur", in Italy "Laurea Magistrale".