

**Agreement for the joint organization of a double-degree Master's programme
implementing the Inter-University Student Exchange Agreement
signed on YYYY-MM-DD**

This Agreement between the *Hochschule Trier, Umwelt-Campus Birkenfeld* (University of Applied Sciences Trier & Birkenfeld, Germany) and the University of Luxembourg (UL - Grand Duchy of Luxembourg), implementing the Inter-University Student Exchange Agreement (hereinafter the "original Cooperation Agreement"), covers the joint organization of a double-degree Master's programme (120 credits) *Master of Science in Business Administration and Engineering / Master en Sciences de l'Ingénieur: Efficacité Energétique et Economique* (Master's Degree in Engineering Sciences: Economic and Energy Efficiency)

This Agreement has been made between:

Hochschule Trier, Umwelt-Campus Birkenfeld, whose registered address is at Hochschule Trier, Umwelt-Campus Birkenfeld, Campusallee, 55768 Hoppstädten-Weiersbach, Germany, represented by Prof. Dr. Dorit Schumann, Schneidershof (J/106), D-54293 Trier, hereinafter referred to as **UCB**,

and

University of Luxembourg, whose registered address is at 2, avenue de l'Université L-4365 Esch-sur-Alzette, represented by Yves Elsen, President of the Board of Governors, by Prof. Stéphane Pallage, Rector, and Prof. Dr. Jean Marc Schlenker, Dean of the Faculty of Science, Technology and Communication, hereinafter referred to as **UL**.

UCB and UL are hereinafter jointly referred to as "institutions" and individually as "institution".

Article 1 (legal framework and accreditation)

In accordance with the corresponding regulation between both institutions, the signatory academic institutions agree to establish a Double-Degree Programme (hereinafter referred to as DDP) which embraces the *Master of Science Business Administration and Engineering* at the UCB and the *Master en Sciences de l'Ingénieur: Efficacité Energétique et Economique* (Master's Degree in Engineering Sciences: Economic and Energy Efficiency) at the UL. The DDP will start in the 2019-2020 academic year. As stipulated below, students shall be awarded a double-degree upon the successful fulfilment of the conditions outlined in this Agreement.

Each of the signatory institutions shall offer courses within the areas for which it is accredited. The partner institutions must be recognized as higher education establishments by the competent authorities in their countries.

Article 2 (admission to the Double-Degree Programme)

Students apply for the DDP at one of the partner institutions, which will be considered as their home institution. They will be screened for eligibility for admission as candidates for the DDP by the responsible actors for the respective study programmes at both the home and host institution and have to fulfil all admission criteria at both institutions.

Article 3 (programme requirements)

The signatory institutions shall cooperate to ensure that the DDP proceeds according to plan, and that the terms of this Agreement are honoured. In order to successfully complete the DDP, students of both institutions have to fulfil the following criteria:

- Students have to obtain 60 ECTS at **the** UL within the specific DDP programme.
- Students have to obtain 60 ECTS at **the** UCB within the specific DDP programme, including a thesis with joint supervision.
- The number of credits needed to successfully complete the Double-Degree Programme is at least 300 ECTS (including the individual Bachelor degree of the student).

Article 4 (enrolment procedures and enrolment fees)

The students enrol as regular students in both institutions in accordance with the existing regulations and procedures throughout the duration of the study programme. Regular enrolment/tuition fees are payed only at their home institution, with the exception of the "Semesterbeitrag" charged at the UCB, which is due for every semester during which a student follows courses at the UCB.

Article 5 (programme funding and allocation of revenue between the institutions)

Each institution shall collect the revenue to which it is entitled with respect to participants' admission, enrolment and graduation procedures and after consultation with all signatory institutions.

Article 6 (degree)

Students shall be awarded the degree from each signatory institution once they have successfully completed the academic programme of both institutions.

To obtain certification from both institutions, students must fulfil all criteria at both institutions.

The Hochschule Trier shall award the degree *Master of Science, Business Administration and Engineering*.

The University of Luxembourg shall award the degree *Master*.

The full titles of the study programmes of both institutions referred to in article 1 of this Agreement as well as the mention '*double diplôme*' shall be included on the diploma.

The degree awarded by the Hochschule Trier shall refer to this Agreement and mention the other degree(s) awarded as part of the programme. The degree awarded by the UL shall also refer to this Agreement and mention the other degree(s) awarded as part of the programme. Each institution shall award a diploma supplement.

Annex 2 specifies the grading systems used by the institutions as well as the calculation of the mean grade.

Article 7 (any specific conditions)

Each signatory institution appoints an academic director who is responsible for supervising the implementation of this Agreement within the institution. The academic directors of the Double-Degree Programme should be present at the moment of signature.

- for the UCB, Prof. Dr. Jochen Struwe has been appointed programme director of *Business Administration and Engineering*.
- for the UL, Prof. Dr. Stefan Maas has been appointed programme director of *Master en Sciences de l'Ingénieur: Efficacité Energétique et Economique*.

Article 8 (duration of the Agreement)

This Agreement is valid for a period of three (3) academic years as of the academic year 2019-2020. It can be renewed thereafter, following consultation between both institutions in writing.

If either signatory institution wishes to terminate the cooperation stipulated in this Agreement, it may do so by sending the partner University notification in writing by registered post before the 31/12 (thirty-first December) preceding the academic year when the institution wishes to withdraw from the programme. Students who are following the curriculum (Annex 1) at the time of termination of this Agreement have the right to complete their studies under the conditions defined in this Agreement and within the maximum study duration permitted at each partner institution.

Article 9 (Data transfer, Data protection)

Notwithstanding any other provision of this agreement, each partner shall at all times comply with the EU General Data Protection Regulation 2016/679 (hereafter the "GDPR") and further data protection laws in force at its own university in performing its rights and obligations under this agreement. If regulations at any of the partner universities are found to be contradictory, an agreement shall be reached which satisfies the legal requirements of all partners involved.

Article 10 (entirety and validity of the Agreement)

This Agreement, its Annexes and the original Cooperation Agreement constitute the entire agreement of the parties concerning the subject matter hereof and supersedes all prior agreements, if any.



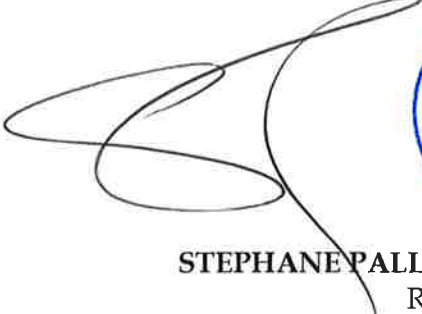

Should any provision(s) of this Agreement be found to be void or unenforceable in whole or in part, the remainder of this Agreement shall not be affected thereby, and such provisions shall be modified or amended so to provide for the accomplishment of the intentions of this Agreement to the maximum extent possible

Article 11 (Disputes)

Both institutions shall attempt in good faith to resolve all disputes arising in connection with the interpretation or application of the provisions of this Agreement or in connection with the determination of any other matters arising under this Agreement by mutual agreement.

Concluded on 2 March 2020 in two (2) original copies,

Date:

On behalf of Hochschule Trier	On behalf of the University of Luxembourg
 D. Schumann President	 YVES ELSEN President of Board of Governors
	 STEPHANE PALLAGE Rector
	 J.M. SCHLENKER Dean Faculty of Science, Technology and Communication



Annex 1: Curriculum design of DDP

The list of courses may be modified according to the organization and availability of teachers.

Semester 1,2	Studies at the UL (winter semester and summer semester)
Semester 3	Studies at the UCB (winter semester)
Semester 4	Studies at the UCB incl. Master thesis under joint supervision

Study programme for Bachelor graduates accepted by the UCB for the “Master of Science in Business Administration and Engineering” offered by the Umwelt-Campus

Sem.	Cours	SWS	ECTS	Verantw.	Sprache	Ort
WS	Mathematics IV (Numerics)	4	5	UL-FSTC	E	Lu
WS	Thermodynamics IV	4	5	UL-FSTC	E	Lu
WS	Thermodynamik II (BProf. EE)	2	2	UL-FSTC	D	Lu
WS	Hydraulische Maschinen I (BProf. EE)	2	2	UL-FSTC	D & E	Lu
WS	Brennstoffe und Verbrennung (BProf. EE)	4	4	UL-FSTC	D	Lu
WS	Computational Fluid Dynamics	2	3	UL-FSTC	E	Lu
WS	Design and Energetics of Waste Power Plants	2	3	Schweizer Steimen	E	Lu
WS	Urban planning and certification acc. to DGNB	2	3	k-engineer e3consult	E,F	Lu
WS	Energetics of the Blast Furnace	2	3	Paul Wurth	E	Lu
	Total	24	30			

Sem.	Cours	SWS	ECTS	Verantw.	Sprache	Ort
SS	Heat- and Mass-Transfer	3	5	UL-FSTC	E	Lu
SS	Policy, assessment and evaluation of energy projects on European level	2	3	European Invest.-Bank	E	Lu
SS	Energy Efficiency of Buildings (parts I, II & Lab1)	5	6	UL-FSTC	E	Lu
SS	Efficiency Energétique des Bâtiments (parties III, IV & Lab2)	5	6	UL-FSTC	E, F	Lu
SS	Financial Accounting	2	2	UL-FDEF	E	Lu
SS	Thermodynamik III (BProf. EE)	2	2	UL-FSTC	D	Lu
SS	Hydraulische Maschinen II (BProf. EE)	2	2	UL-FSTC	D	Lu

SS	Lüftungs- und Klimatechnik (BProf. EE)	4	4	Paul Wurth	D	Lu
	Total	25	30			

Bachelor graduates accepted by University of Luxembourg for « Master en Sciences de l'Ingénieur - Efficacité Energétique et Economique ».

The curriculum and the catalogue of electives are subject to modifications and amendments without prior notice.

Sem.	Course	Units	ECTS	Respons.	Language	Site
WS	Mathematics IV (Numerics)	4	5	UL-FSTC	E	Lu
WS	Thermodynamics IV	4	5	UL-FSTC	E	Lu
WS	Contrôle de gestion	3	4	UL-FDEF	F	Lu
WS	Notions générales du droit privé luxembourgeois	2	4	UL-FDEF	F	Lu
WS	Computational Fluid Dynamics	2	3	UL-FSTC	E	Lu
WS	Design and Energetics of Waste Power Plants	2	3	Schweizer Steimen	E	Lu
WS	Urban planning and certification acc. to DGNB	2	3	k-engineer e3consult	E,F	Lu
WS	Energetics of the Blast Furnace	2	3	Paul Wurth	E	Lu
	Total	21	30			

Sem.	Course	Units	ECTS	Respons.	Language	Site
SS	Heat- and Mass-Transfer	3	5	UL-FSTC	E	Lu
SS	Policy, assessment and evaluation of energy projects on European level	2	3	European Invest.-Bank	E	Lu
SS	Energy Efficiency of Buildings (parts I, II & Lab1)	5	6	UL-FSTC	E	Lu
SS	Efficience Energétique des Bâtiments (parties III, IV & Lab2)	5	6	UL-FSTC	E, F	Lu
SS	Financial Accounting	2	2	UL-FDEF	E	Lu

SS	Gestion d'entreprise: Analyse financière	3	4	UL-FDEF	F	Lu
SS	Introduction aux décisions financières de l'entreprise	3	4	UL-FDEF	F	Lu
	Total	23	30			

All students of the DDP from the UL & the UCB have to choose min. 30 ECTS of the following catalogue of compulsory modules in their third semester:

The curriculum and the catalogue of compulsory modules are subject to modifications and amendments without prior notice.

Sem.	Course	SWS	ECTS	Respons.	Lang.	Site
WS	Bilanzierung und Controlling	4	5	UCB	D	Birkenf.
WS	Unternehmensführung	4	5	UCB	D	Birkenf.
WS	Prozessmanagement	4	5	UCB	D	Birkenf.
WS	Planungsseminar	4	5	UCB	D	Birkenf.
WS	Wirtschaftsethik und -kommunikation	4	10	UCB	D	Birkenf.
WS	Recht und Politik	4	5	UCB	D	Birkenf.
WS	Marketing II	4	5	UCB	D	Birkenf.

All students of the DDP from the UL & the UCB have to choose min. 10 ECTS of the following in their fourth semester:

Sem.	Course	SWS	ECTS	Respons.	Lang.	Site
SS	Wirtschaftsethik und -kommunikation	4	0	UCB	D	Birkenf.
SS	Recht und Politik	4	0	UCB	D	Birkenf.
SS	Recycling-und Entsorgungslogistik	4	5	UCB	D	Birkenf.
SS	Umweltökonomie	4	5	UCB	D	Birkenf.
SS	Supply Chain Management	4	5	UCB	D	Birkenf.

Semester 4 includes a Master thesis corresponding to 20 ECTS credits. The thesis is supervised jointly by the UCB and the UL and follows the applicable rules and guidelines of the UCB. The subject of the thesis can be defined either at the UL, the UCB, or jointly.

Annex 2: Grading systems and mean grade

Mean grade:

The mean grade for the specific period of study is calculated as a weighted average of the grades obtained in subjects credited in that period. The weight is the number of ECTS points awarded for the subject, related to the total number of points obtained for all the subjects credited in that period. The weighted average calculation does not take into account subjects for which students have received ECTS points but no grade.

Grading system at Hochschule Trier:

Grade	Definition	Assessment description
1.0-1.5	Very Good	Outstanding achievement
1.6-2.5	Good	A performance which markedly exceeds average requirements
2.6-3.5	Satisfactory	A performance which meets average requirements
3.6-4.0	Sufficient	A performance which despite shortcomings satisfies the requirements
5.0	Insufficient resp.failure	An effort which, due to its significant shortcomings, no longer satisfies requirements

Grading system at the University of Luxembourg (UL):

Grade	Definition
20-18.0	Excellent
17.9-16.0	Very Good
15.9-14.0	Good
13.9-12.0	Fair
11.9-10.0	Sufficient
below 10	Fail