h_da hochschule darmstadt

member of

eut+

EUROPEAN UNIVERSITY
OF TECHNOLOGY

A Portrait of Hochschule Darmstadt
University of Applied Sciences

Contents

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- International experience: project management in the NGO sector, in teaching and administration at Univeristy of Oradea, Romania

- Since October at Darmstadt University of Applied Sciences (Quality Management in Study and Teaching)

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Short profile of Hochschule Darmstadt University of Applied Sciences

Hochschule Darmstadt (h_da)
is one of the leading Universities of Applied Sciences in Germany, founded in 1971.

Key areas of study and

- Engineering
- Mathematics and Natural Sciences
- Electrical Engineering and Information Technology
- Social and Cultural Sciences and Social Work
- Architecture, Media, and Design
- Business

12 Departments

About 800 employees

More than 340 professors

Over 80 degree programs

European University of Technology (EUt+)

...an alliance of 9 European Universities of Applied Sciences from Spain, France, Ireland, Italy, Latvia, Romania, Bulgaria, Cyprus and Germany

European University of Technology (EUt+)

European Universities Initiative: transnational alliances that can become the European universities of the future.

EUt+ goals:

- Smooth exchange between 9 campuses for students and staff

- Easier recognition of credits

- Common interdisciplinary European laboratory for researchers

- Common curricular

- Joint degree programs (European Master of Engineering)

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Academic Cluster within EUt+

- Means of increasing collaboration and cohesion within an academic specialisation

- Consist of study programmes of at least three partners

- Serve as the base for the creation of future common programmes, European degress, certificates…..

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New recognition process using mobility maps

What is a mobility map?

- Mean to accelerate and simplify the recognition of student mobilities among EUt+ partner universities
- It maps the modules within a cluster of the sending and the receiving partner institution
- clusters represent a specific study program or an area of study etc.
- The modules are categorized into spring/summer and fall/winter semester and aim to ensure a minimum of 30CP per semester

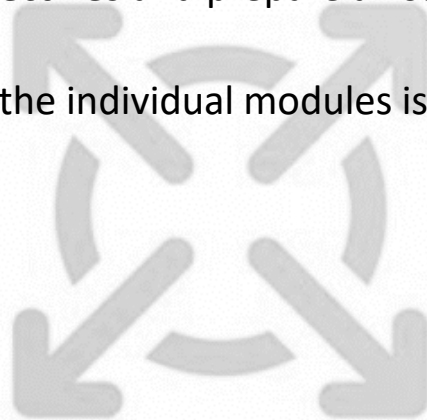|	Destinations						
NER (hda)					UTT (Troyes)		
	Final LO	ECTS	Comments	Semester	Type	Courses	
...isation	AL2; AE4; BE12	5	German	1 (fall)	GE34	Stratégie et management de l'entreprise
	CL1, CL2, CL3	5	German	1 (fall)	CL10	Urban mobility and logistics
				1 (fall)	GP27	Méthodes de gestion des stocks et de prévis... de la demande
				1 (fall)	CL02	Conditionnement, manutention et entreposage
...s	AL1, AE1	5	German	1 (fall)	MT12	Mathematical techniques for engineers
				1 (fall)	MT13	Méthodes numériques pour l'ingénieur
	CE6, CL2	5	German	2, 1	GE36	Marketing
	CL8; CE5	5	German	1 (fall)	CS02	Conduite de projets
...flow technique	BL1; CL5; CE12	5	German	1 (fall)	SY17	Production systems design
...s solutions in the courier and	CL6, CL4	5	German	1 (fall)	CL10	Urban mobility and logistics
...gement,	CL7, CL5; BL4; AL4	5	English	1 (fall)	GP28	Industrial excellence
...ar,	BL1	5	German	2, 1	SY20	Industrial intelligence (MES / SAP software tools)
			45			
...d Reverse Logistics	CL6, CL4	5	German	2 (spring)	CL03	Transport and distribution logistics
				2 (spring)	CL04	Conception et gestion de la chaîne logistiqu... Coordination des relations clients-fourniss...
...nd Finance	AL2; CE5	5	German	2 (spring)	GP30	Smart pricing and revenue optimization
...t Accounting	AL2; AE4;	5	German	2 (spring)	GP30	Smart pricing and revenue optimization
				2 (spring)	GE31	L'entreprise et la gestion
				2 (spring)	SY15	Industrial systems simulation
	AL3, CE10, DL1, DL2	5	German	2 (spring)	SY18	Performance modeling and evaluation tools
...source Management,	CL2	5	German	2 (spring)	GE04	Management des Ressources Humaines
...imulation Seminar,	BL1; CL5; CE12	5	German	2 (spring)	SY15	Simulation des systèmes industriels

What is it used for?

- The maps serve students as **tool for planning** their **mobility** abroad
- After the mobility, a **recognition is granted** by the sending institution for all modules listed in the these maps
- They help to **identify common features** and individual foci of the national curricula

What are the benefits?

- It **eliminates** the **individual pre-work** and necessary clarification for students, internal offices and academic staff before creating a Learning Agreement
- It **saves time** since modules are assessed for later recognition once and not individually for each student mobility
- **Provides security** for **students** when planning their mobility => easy possibility to discover chances for relevant cross-teaching, new common programs, …
- **Increases** the number of student **mobilities**

How does the creation of a mobility map work?

- **Working group** with representatives from each **partner EUt+ university** is established
- members **define** the **learning objectives** and prepare a **list of modules** offered by their institution for the specific cluster
- The **mapping and assessment** of the individual modules is done based on defined criterion:
  - Learning objective
  - Number of CP/ETCS
  - Content of module

Acknowledgment of a mobility map within h_da

- **Recognition Statutes** (Anerkennungssatzung) ensure **fair** and **equal recognition** procedures and standards on university level
- Possibility for **examination boards** to **make decisions** with general validity (no general agreements on rectors' level needed)
- **Working group** member **seeks alignment** with teacher of modules included in the mobility map
- **Mobility maps** are then **presented** by the working group member to the **departments examination board for approval**
- Mobility maps needs to be **reviewed** and **re-approved after 2 years**
- **Published to students** online, automatic recognition by the administration

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Example Mobility Map „Industrial Engineering Logistics"

Mobility Map: Bachelor Industrial Logistics

PARTNER (hda)				Universidad Politécnica de Cartagena (UPCT)						UTT (Troyes)					Riga Technical University (RTU)					
Semester		Type	Courses	Semester	Type	Courses	Final LO	ECTS	Comments	Semester	Type	Courses	ECTS	Comments	Semester	Type	Courses	Final LO	ECTS	Comments
1 (fall)			111 Introduction of Business Administration,							2 (spring)	GE32	Ingénierie financière de l'entrepris	4	French	3	IUV303	Management Theory (basic course)	AE4; BE12	3	*Teaching Lang: English *Support materials English/Latvian
1 (fall)			112 Management and Organisation	4	5E+08	ORGANIZATION AND MANAGEMENT OF COMPANIES		6	*Teaching Lang: Spanish *Support materials: Spanish / English *Exam lang: Spanish / English	1 (fall) + 2 (spring)	GE31	L'entreprise et la gestion	4	French	3	IUV303	Management Theory (basic course)	AE4; BE12	3	*Teaching Lang: English *Support materials English/Latvian
				2	2E+08	STRATEGIC MANAGEMENT & BUS	CE9	5	*Teaching Lang: Spanish *Support materials: Spanish / English *Exam lang: Spanish / English	1 (fall) + 2 (spring)	GE34	Stratégie et management de l'entre	4	French	3	HSP375	Sociology of Management	AE4	3	*Teaching Lang: English *Support materials English/Latvian
1 (fall)			113 Financial Accounting	1	2E+08	FINANCIAL AND COST INFORMAT	CE5	5	*Teaching Lang: Spanish *Support materials: Spanish / English *Exam lang: Spanish / English	2 (spring)	GE31	L'entreprise et la gestion	4	French						
1 (fall)			114 Introduction to Law																	
1 (fall)			115 Introduction Logistics	3	2E+08	INDUSTRIAL LOGISTICS	CE12	3	*Teaching Lang: Spanish *Support materials: Spanish / English *Exam lang: Spanish / English	2 (spring)	CLO1	Logistic organization of commercia	6	French						
1 (fall)										1 (fall)	CL10	Urban mobility and logistics	6	French						
1 (fall)										2 (spring)	CLO4	Conception et organisation de la ch	6	French/ Materials in English						
2 (fall)										1 (fall)	GP27	Méthodes de gestion des stocks et	6	French						
1 (fall)										1 (fall)	CLO2	Conditionnement, manutention et	6	French						
1 (fall)			116 Business Mathematics	1	5E+08	MATHEMATICS I		6	*Teaching Lang: Spanish *Support materials: Spanish / English *Exam lang: Spanish / English	1 (fall)	MT12	Mathematical techniques for engin	6	French	1	DMF101	Mathematics	AE1	7,5	*Teaching Lang: English *Support materials English/Latvian
										1 (fall)	MT13	Méthodes numériques pour l'ingén	6	French						

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Reflection and learnings

Our learnings & recommendation

Learnings we can share so far:

- Recognition of modules based on competences and learning objectives very helpful during the mapping
- Plan for the initial workload and understand it as a team building exercise
- Revision of mobility maps after 2 years helpful

Our reflection & summary

Mobility maps turned out to ….

- accelerate and simplify the creation of learning agreements and recognition process
- create high initial workload for creation but saves time for individual recognitions later
- foster collaboration between administrative and academic leads
- fosters collaboration and trust between teachers and cluster members
- aid students for planning their mobility and avoid a prolongation of the study because of a mobility

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Simplified recognition

Increase predictability recognitions

Foster collaboration & trust

Increase number of student mobilities

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Q&A