



UNIVERSITÀ  
DEGLI STUDI  
DI PALERMO

UNIVERSITÀ DEGLI STUDI DI PALERMO		
Titolo _____ Classe _____ Fascicolo _____		
04 SET. 2014		
59040	CC	RPA



**CO-OPERATION AGREEMENT  
BETWEEN**

**THE "UNIVERSITÀ degli STUDI di PALERMO" (UNIPA)**

**AND**

**DA YEH UNIVERSITY (DYU)**

The "UNIVERSITÀ degli STUDI di PALERMO" (hereafter UNIPA), represented by the Rector, Prof. **Roberto Lagalla**

**AND**

The **DA YEH UNIVERSITY** (hereafter DYU) represented by the Rector, Prof. **Dong-Sing Wuu**

**IN VIEW OF**

- the mutual interest in facilitating cultural, scientific and research cooperation at international level;
- the mutual interest in supporting the international mobility of students, teachers, researchers and administrative staff in order to improve the training quality in the frame of the European, Chinese, and international education;
- the Italian ministerial decree, D.M. 15 October 2013, n.827 referring to the Planning of the Italian University System 2013-15, establishing the guidelines for Actions in the frame of the Internationalization of the Italian University System.
- the Taiwan Ministry of Education decree called FEPZ (Free Economics Pilot Zones) of 2 April 2014 on internationalization of Taiwanese University.

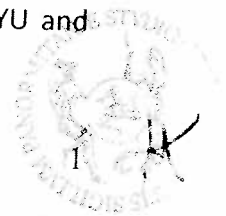
**THE FOLLOWING AGREEMENT IS REACHED AND SIGNED**

**ART.1 – COOPERATION ACTIVITY**

The contracting parties intend to establish a Double Degree Master in Electronic Engineering based on the existing Curriculum offered by UNIPA in Italy and based on the Bologna Protocol of credits.

In addition to the scheme of students and Professors exchange, this agreement establishes the equivalence of the courses of the Master Program (as in the ANNEX A).

Each party is responsible for executing the Master Program at his location, and will grant students of both party the diploma, upon completion of the required courses at their premise. Each hosting institution provides all necessary resources and the facilities for the execution of the program. Adequate multi-media means (e.g. e-conference, e-learning) will be made available in DYU and UNIPA in order to facilitate the cooperation activity.



## ART.2 – COOPERATION AIMS

The cooperation between the contracting parties will have the following aims:

1. establish a Double Degree Master in Electronic Engineering;
2. promote mobility and exchange of teachers, researchers and students in the frame of the Master Program;
3. at the discretion of the parts, extend the offer of courses/programs/curricula to foreign students, from Asia and Europe;
4. develop the joint realization of complementary scientific and integrated actions in didactics and research;
5. in recognition of credits assigned according to Bologna Protocol and the equivalence of courses, grant to successful students the diploma of both institutions.

## ART.3 AREAS COVERED AND IMPLEMENTATION

The cooperation will cover programs of teaching and research.

Proposals of common activity will be formulated annually by a Joint Cooperation Board (JCB) to be appointed jointly by UNIPA and DYU. Activities will be conducted under the supervision of the JCB.

The scientific coordinators of each Institution will supervise, in each Country, the coordination of the activities and will act as contact point should any difficulty arise.

UNIPA and DYU will offer a Master in Electronic Engineering according to the structure and rules of the Master offered in UNIPA. Professors of UNIPA and other Universities, as required to fill the schedule, will be appointed by JCB at the beginning of the classes to deliver their courses in DYU.

DYU, will provide facilities in the campus, including but not limited to classrooms, equipment, administrative resources, laboratories, professor research rooms, tangible and intangible resources.

## ART.4 – FINANCE AND ACCOMMODATION

When implementing the activities covered by this agreement, each contracting party shall ensure that all assistance will be given in their country to participants sent by the other party.

Each contracting party will use its best endeavors, on its own or jointly, to seek and obtain funding from outside sources that will facilitate the implementation of all activities stipulated in this agreement.

The contracting parties will do their best to ensure accommodation and meals facilities on the basis of complete equality and reciprocity.

All the activities will be carried out in compliance to the National (Italian and Taiwanese) applicable laws and operating rules.





**ART.5 – LENGTH AND VALIDITY**

The agreement will be considered effective in case the concerning project, applied in the frame of the above mentioned Internationalization of the Italian University System. It will come into force when signed and shall operate for three years.

At the expiration date of the Agreement, the contracting parties will decide whether to continue or terminate the cooperation. If the latter be the case, written notice will be given six months before the expiration date.

**UNIVERSITA' DEGLI STUDI DI PALERMO**

**THE RECTOR**



Prof. Roberto Lagalla

Date 15/05/2014

**DA YEH UNIVERSITY**

**THE RECTOR**



Prof. Dong-Sing Wu

Date 23/05/2014



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## ANNEX A

### CO-OPERATION AGREEMENT

#### BETWEEN

THE "UNIVERSITÀ degli STUDI di PALERMO" (UNIPA)

#### AND

DA YEH UNIVERSITY (DYU)



This Annex A specifies the terms and conditions of a co-operation program aimed at a Double Degree Master program between UNIPA and DYU and discussed in the above co-operation agreement.

Each contracting parties undertakes to implement a co-operation program within the framework of the rules and regulations of each institution and in accordance with the rules of the Italian Ministry of Education, University and Research (MIUR) for the Italian part and the Taiwan Ministry of Education

In particular:

all the common activities will be proposed annually by a Joint Cooperation Board (JCB) to be appointed jointly by UNIPA and DYU. Activities will be conducted under the supervision of the JCB. The JCB will be appointed with a separate statement;

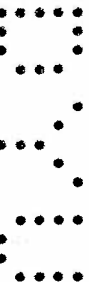
exchange students are not financially supported by the program for the period they spend abroad and shall remain eligible for any scholarships, bursaries, loans or other financial aid eventually awarded;

Exchanged students can apply for a Double Degree Master Program if they satisfy all the following rules:

1. Exchanged students are regularly enrolled in their own Institution and they pay normal tuition fees to their home Institution;
2. Exchanged students are responsible for conforming to the immigration requirements of the country in which the host institution is located;
3. Level of English language skills, correspondent at least to the Level B2 of the Cambridge qualification (FCE) or similar;
4. A maximum number of admitted students (30 exchanging students for the 2014-2015 academic year) will be decided every year by Joint Cooperation Board (JCB) and student will be selected with criteria based on a good level of proficiency in their university career, to be verified by UNIPA and DYU Institutions by following the rules described in point 5 of this ANNEX;
5. Students from other Far East countries are admitted to the Double Degree master if they meet the following requirements:



- a) they have followed a study curriculum of at least 12 pre-university years and an Electronic Engineering Bachelor of 1+3 years or 13 pre-university years and an Electronic Engineering bachelor of 3 years (equivalent to 180 Italian credits or 90 Taiwanese credits).
  - b) They passed with a minimum of 70/100 score an entrance technical exam prepared by UNIPA to test their basic preparation.
6. Minimum credit units to pass in the foreign Institution (15 DYU credits for Italian students going abroad; and 30 UNIPA credits for Taiwan students going abroad);
  7. Optional courses can be freely chosen among the activated list, within the relative host Institutions, with the only limitation that they cannot be approved if their contents are present in others courses already passed by the student.



The following figure shows the Equivalence Table containing the course names that will be validated by the two Institutions upon students request:



**Tabella di corrispondenze degli insegnamenti  
Equivalence Table**

**LAUREA MAGISTRALE IN INGEGNERIA  
ELETTRONICA, UNIPA**

**Program for Master of Science Degree, Department  
of Electrical Engineering, Da-Yeh University  
CURRICULUM: SEMICONDUCTORS AND ELECTRO-  
OPTICS**

**OPZIONE: MICROENGINEERING**

**Corrispondenza ore/CFU:**

**9 ore/CFU**

**Equivalence Hours/CFU:**

**18 Hours/CFU**

Anno	1° SEMESTRE	SSD	CFU	Year	1° SEMESTER	SSD	CFU		
1	Electronica Applicata	ING-INF/01	9	1	Electronics Circuit Design	ING-INF/01	3		
	Fisica dei Materiali per l'Electronica (gruppo opzionale I) *	FIS/03	6		Power Electronics	ING-INF/01			
	Fondamenti di Chimica per le Microtecnologie (gruppo opzionale I) *	CHM/07			Solid State Physics	FIS/03			
	Fotonica (gruppo opzionale II) **	ING-INF/01	9		Special Topics on Chemical Compound Semiconductors	CHM/07	6		
	Insegnamenti a scelta dello studente		18		Semiconductor Laser + **	ING-INF/01			
						Optional		3	
		2° SEMESTRE					2° SEMESTER		
							Optional		3
		Microtecnologie (gruppo opzionale II)	ING-INF/01		6	Microelectronic Device Technology	ING-INF/01	3	
		Microelettronica ***	ING-INF/01		6	VLSI Design ***	ING-INF/01	3	
		Dispositivi a eterostruttura (gruppo opzionale I)	ING-INF/01		9	Advanced System Design***	ING-INF/01		
	Inglese (gruppo opzionale I)	L-LIN/12	6	Computer Architecture and Design***	ING-INF/01				
				Embedded Systems***	ING-INF/01				
				Solid-State Electronic Devices	ING-INF/01	3			
				Technical English	L-LIN/12	3			
	<b>TOTALE 1° ANNO</b>		<b>69</b>		<b>TOTAL 1° YEAR</b>		<b>30</b>		



Anno	1° SEMESTRE		SSD	CFU	Year	1° SEMESTER		SSD	CFU	
2	Comunicazioni ottiche		ING-INF/01	6	2	Fiber Optics Communications		ING-INF/01	3	
	Fondamenti di Dispositivi Optoelettronici (gruppo opzionale III)		ING-INF/01	6		Optoelectronic Semiconductor Devices		ING-INF/01	3	
	Fondamenti di Biofotonica (gruppo opzionale III)		ING-INF/01	6		Special Topics in Optoelectronics		ING-INF/01	3	
	Nanoelettronica (gruppo opzionale IV)		ING-INF/01	9		Nano Structured Materials + Sub-micron VLSI Technology		ING-INF/01	6	
	2° SEMESTER					2° SEMESTER				
						Optional				6
	Ulteriori Attività Formative (ex Art.10) - Tirocinio					6				
	Prova Finale					18	Master Thesis			9
TOTALE 2° ANNO				51	TOTAL 2° YEAR				30	

The student will choose one subject among either:

"Solid State Physics" which is equivalent to "Fisica dei Materiali per l'Elettronica"

or

"Special Topics on Chemical Compound Semiconductors" which is equivalent to "Fondamenti di Chimica per le Microtecnologie".

\*\* The student will pass the "Fotonica" examination if able to get: "Semiconductor Laser" and a second subject chosen among the following list:

- Laser instrumentation
- LED for lighting and Photovoltaics
- Optical display technologies
- Organic optoelectronics and electronics

\*\*\* "Microelettronica" is equivalent to any of the examination indicated below:

- VLSI Design
- Advanced System Design
- Computer Architecture and Design
- Embedded Systems

"Ulteriori Attività Formative (ex Art.10) - Tirocinio" is not equivalent to any subject.

