

Student Exchange Cooperation Agreement

between

**College of Engineering
National Chiao Tung University
Taiwan – hereafter NCTU**

and

**Department of Mechanical Engineering,
Friedrich-Alexander Universität Erlangen-Nürnberg
Germany – hereafter FAU**

College of Engineering at National Chiao Tung University (NCTU), Taiwan, and the Department of Mechanical Engineering, Friedrich-Alexander-University Erlangen-Nürnberg (FAU), Germany, hereby agree to establish an international exchange of students between the signed universities.

This agreement is focused on undergraduate and graduate enrolled students at NCTU or at FAU.

Each participating university will motivate students to exchange to the other institution for the purpose of participating in lectures, gaining advanced language skills, broadening their horizons on different cultures and for enhancing the chances to enrol for a graduate study at the host university.

1 Number of Students

In the initial phase, the total number of exchange students will not exceed 3 students per semester. The number of students may be adjusted each semester by mutual agreement.

2 Duration of the Exchange

Exchange students will be given the opportunity to study at the host institution for 1 to 2 semesters,

exceptions might be possible. If a student wishes an exception from the planned duration of stay, a written application is needed. The application will be discussed by both sides to make up a decision.

3 Application process

Students interested in the program must address their application to the home university. The home university is responsible for the pre-selection of participating students, and for their academic and linguistic preparation. The final selection will be conducted by both universities.

Therefore, each university will nominate a leading person to be responsible for the student exchange agreement. This person also acts as main contact towards the other institution.

The leading person of the host institution is responsible for the final selection of students. The host university reserves the right to decline a student before and during the visit for academic reasons, or if other conditions within this agreement are not met.

4.1 Students from NCTU

- 4.1.1 Students applying to participate in the student exchange need to be registered as full-time students in one of the study programs. They should stay at FAU usually for their 7th and/or 8th semester.
- 4.1.2 By the time of application, language skills on level B2 in English or higher (for lectures in English language) or German (for choosing lectures in German language) or better are required.
- 4.1.3 NCTU will pre-select the applicants and will send a recommendation list to FAU. Application interviews (e.g. via Skype) may be held. NCTU and FAU will jointly decide on the final list of the exchange students. Students will then enter the official application process for exchange students.
- 4.1.4 NCTU and FAU will jointly decide on the lectures to be taken and will sign a learning agreement for each student before the students arrive at the host university. All lectures at FAU will be given in English or German language. A list of possible lectures in English language in the field of International Production Engineering and/or Management is shown below in Appendix 1. Examinations will follow the examination regulations of FAU.
- 4.1.5 The students will be enrolled as exchange students at FAU and will be given access to the university facilities comparable to other foreign students. At the same time students need to be enrolled at the NCTU as well. FAU is responsible for both the academic supervision and assessment of the student.

The students will not receive a degree of but transcripts for the successful completion of courses and exams.

4.2 Students from FAU

- 4.2.1 Students applying to participate in the student exchange need to be registered as full-time exchange students at NCTU. Bachelor students should stay at NCTU usually for their 5th and/or 6th semester; Master students in 2nd , 3rd and/or 4th semester.
- 4.2.2 By the time of application, English language skills on level B2 or better are required.
- 4.2.3 FAU will pre-select the applicants from and will send the recommendation list to NCTU. Application interviews (e.g. via Skype) may be held. NCTU and FAU will jointly decide on the final list of the exchange students. Students will then enter the official application process for exchange students.
- 4.2.4 NCTU and FAU will jointly decide on the lectures to be taken and will sign a learning agreement for each student before the students arrive at the host university. All lectures will be given in English language. A list of possible lectures in English language is shown below in Appendix 2. Examinations will follow the examination regulations of NCTU.
- 4.2.5 The students will be enrolled as exchange students at NCTU and will be given access to the university facilities comparable to other foreign students. At the same time students need to be enrolled at the FAU as well. NCTU is responsible for both the academic supervision and assessment of the student. The students will not receive a degree of NCTU but transcripts for the successful completion of courses and exams.

5 Tuition and Fees

Exchange students have to pay regular tuition and academic fees at their home university. The host university waives tuition and academic fees for students that participate in the exchange program, except for social service contributions.

6 Insurance

The participating students are fully responsible for acquiring appropriate accident and health insurance for the time of their stay at the host institution.

7 Accommodation

The participating students are responsible for their own living costs, unless other arrangements have been agreed upon. The host university will provide assistance in finding adequate accommodation.

8 Other Arrangements

Exchange students are expected to follow the rules and regulations of the host university. If an exchange student violates any law of a certain degree of severity in the country of the host institution, that host institution may expel the student and withdraw academic sponsorship of that student.

This agreement does not create any right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity, by either party, its officers, employees, or agents against the other party, its officers, employees, or agents.

Nothing in this agreement obligates either party to commit or transfer any funds, assets, or other resources in support of projects or activities between the two parties.

Additional detailed procedures for implementing the exchange programs which are not prescribed in this agreement will be discussed and decided upon by both universities at the appropriate time.

Any disagreements or disputes arising while implementing the agreement will be discussed and settled by representatives from both universities.

9 Revision

The clauses of this agreement may be revised or changed only upon consent of both parties. The proposed alterations shall be presented by the parties and signed by the representatives of both parties.

10 Enforcement

This agreement comes into force at the moment it is signed by representatives of both parties. It is valid until either party requests to cancel it with three-month notice ahead. However, students who have commenced at either university before the date of termination may complete their courses of study. This agreement is written in English.

If any provision of the contract shall be invalid or impracticable in whole or in part this shall not affect the validity of the remaining part of this contract. In lieu of the invalid or impracticable provision an appropriate

provision shall apply which is nearest to the intent of the contracting parties or to what would have been their intention in keeping with the meaning and purpose of the contract if they had considered this issue at the conclusion of the contract or at a later addition of a provision.

Date: 7/28/2015

Date: 11 Aug 15

National Chiao Tung University (NCTU)
Hsinchu, Taiwan

Friedrich-Alexander-University (FAU)
Erlangen-Nürnberg



Prof. Chiun-Hsun Chen
Dean, College of Engineering



Prof. Jörg Franke
Speaker, Department of Mechanical Engineering

Appendix 1.1: Recommended lectures at FAU in English language in the field Mechanical Engineering / International Production Engineering and Management

List may be updated every semester, see <http://www.ip.study.uni-erlangen.org/incomings.shtml>)

Name	Lecturer	ECTS in winter term ²⁾	ECTS in summer term ²⁾	Level ¹⁾
Production Technology 1 with Exercises (with training in technical english)	Merklein e.a.	-	5	basic (B)
Production Technology 2 with Exercises (with training in technical english)	M. Schmidt e.a.	5	-	basic (B)
Advanced Seminar on International and Sustainable Production	Hanenkamp e.a.	2,5	2,5	basic (B)
German language courses	University language center	5 - 15	5 - 15	basic, intermediate oder advanced (B, M)
Optical Manufacturing Metrology	Hausotte	-	2,5 or 5	advanced (B, M)
Laser Technology	Schmidt, Alexeev	5	-	advanced (B, M)
Engineering of Solid State Lasers	Alexeev	-	2,5	advanced (B, M)
Integrated Production Systems (E-Learning course at vhb)	Franke	5	5	advanced (B, M)
International Supply Chain Management (E-Learning course at vhb)	Franke	2,5	2,5	advanced (B, M)
Introduction to the Finite Element Method	Mergheim	-	5	advanced (B, M)
Nonlinear Finite Elements	Mergheim	5	-	advanced (B, M)
Computational Dynamics	Leyendecker	5	-	advanced (B, M)
Linear Continuum Mechanics	Steinmann	5	-	advanced (B, M)
Operations and Logistics	Voigt	-	5	advanced (B, M)
Innovation	Voigt	-	5	advanced (B, M)
Sustainability Management: Issues, Concepts and Tools	Beckmann	5	-	advanced (B, M)
Innovation Strategy I+II	Möslein	5	-	advanced (B, M)

1) B=suitable for incoming Bachelor students; M=suitable for incoming Master students; some lectures require separate application

2) Lecture periods (please refer <http://fau.de/studium/zulassung/formulare/semesterplan.shtml>):

Lecture Period	Start	End
Summer Semester 2015	13 Apr 2015	18 Jul 2015
Winter Semester 2015/16	12 Oct 2015	06 Feb 2016
Summer Semester 2016	11 Apr 2016	16 Jul 2016
Winter Semester 2016/17	17 Oct 2016	11 Feb 2017
Summer Semester 2017	24 Apr 2017	30 Jul 2017
Winter Semester 2017/18	16 Oct 2017	10 Feb 2018
Summer Semester 2018	09 Apr 2018	14 Jul 2018

Appendix 2: Recommended lectures at NCTU in English language

List may be updated every semester.

Courses offered in the Fall Term:

Course Code	Title	Credits	ECTS for FAU
5382	Wired/Wireless Networking Infrastructure Integration and Applications	3	(will be filled out by FAU)
1274	Engineering Mathematics (I)	3	
5285	Biochip and Chip Based Diagnosis	3	
5288	Combustion Fundamentals	3	
5287	Additive Manufacturing Systems	3	
5316	Advanced Mechanics of Materials	3	
5309	Signal Process and Spectral Analysis	3	
5343	Polymer Chemistry	3	
5332	Applied Electrochemistry	3	
5334	Low-K Materials and Processing Technologies	3	
5338	Thermodynamics of Solid	3	
5342	Introduction to Nanostructured Materials	3	
5348	Theory and Practice of Gaseous Pollution Control Devices	3	
5350	Theory and Practice of Particulate Control Equipment	3	
5345	Environmental nano-material science	3	
5352	Surface Analysis	3	
5354	Environmental Chemistry	3	

Courses offered in the Spring Term:

Course Code	Title	Credits	ECTS for FAU
5280	Computational Technique and Its Application for Structural Health Moni	3	(will be filled out by FAU)
5285	Finite Element Methods	3	
5287	Advanced Steel Structures	3	
5295	Project Scheduling And Control	3	
5304	The Theory of Order-disorder in Alloys	3	
5316	Intro. to Compound Semiconductor Device & Process	3	
5253	Combustion Fundamentals	3	
5256	Heat Convection	3	
5323	Sludge Treatment and Disposal	3	
5328	Theory and Practice of Particulate Control Equipment	3	
5329	Surface Chemistry	3	

2) Lecture periods (please refer <http://umNCTU.sjtu.edu.cn/academics/academic-calendar/>):

Term	Start	End
Spring Semester 2015	01 Feb 2015	31 Jul 2015
Fall Semester 2015/16	08 Aug 2015	31 Jan 2016
Spring Semester2016	01 Feb 2016	31 Jul 2016
Fall Semester2016/2017	08 Aug 2016	31 Jan 2017
Spring Semester2017	01 Feb 2017	31 Jul 2017
Fall Semester2017/2018	08 Aug 2017	31 Jan 2018
Spring Semester 2018	01 Feb 2018	31 Jul 2018