APPENDIX A to the Addendum for Double Master's Degrees between Tongji University and Universität Stuttgart

Double Master's Degree Scheme

The attached MACROPLAN depicts the 2.5-year M.E. double degree structure in **Mechanical Engineering and Power Machinery and Engineering at Tongji** and the 2-year M.Sc. double degree structure in **Maschinenbau (Mechanical Engineering) at Universität Stuttgart**.
It shows the compulsory and elective courses in each semester as well as the prerequisites for students wishing to spend their last 2 semesters at the partner institution.

Semester 1 (WS)		**Semester 2 (SS)**		**Semester 3 (Stuttgart) Semester 4 (Tongji)**		**Semester 4 (Stuttgart) Semester 5 (Tongji)**	
Tongji students at Tongji	**Stuttgart students in Stuttgart**	**Tongji students at Tongji**	**Stuttgart students in Stuttgart**	**Tongji students in Stuttgart**	**Stuttgart students at Tongji**	**Tongji students in Stuttgart**	**Stuttgart students at Tongji**
An Introduction to Dialectics of Nature, (C) (2 TC) Foreign Language,(C) (3 TC) Numerical Analysis (C) (3 TC) Automation Production System and Computer Integrated Manufacturing(C) (3 TC) Mechanical Engineering Hydraulic System Design (C) (2 TC) Modern Sensor Technology (E) (2 TC) Automatic Control Technology (E) (2 TC)	Pflichtmodul Gruppe 1 (E) Werkstoffe und Festigkeit (6 ECTS) Spezialisierungsfach 1 Kern-/Ergänzungsfach (E) (15 ECTS) Spezialisierungsfach 2 Kern-/Ergänzungsfach (E) (6 ECTS) Spezialisierungsfach 2 Praktikum (C) (3 ECTS)	Advanced Manufacturing Technology (C) (3 TC) Precision Measuring Technology, (C) (3 TC) Optimization of Mechanical Design (E) (2 TC) Dynamical System's Modeling and Simulation (E) (2 TC) Protection of Intellectual Property (E) (2 TC) Symposium,(E) (1 TC)	Pflichtmodul Gruppe 4 (E) Energie- und Verf.technik (6 ECTS) Studienarbeit (12 ECTS Spezialisierungsfach 1 Praktikum (C) (3 ECTS) Spezialisierungsfach 2 Kern-/Ergänzungsfach (E) (9 ECTS)	Studienarbeit (Project Work), (C) (12 ECTS) Kern-/Ergänzungsfach aus Spezialisierungsfach 1*) (C) (6 ECTS) Spezialisierungsfach 1 Praktikum (C) (3 ECTS) Kern-/Ergänzungsfach aus Spezialisierungsfach 2*) (C) (6 ECTS) Spezialisierungsfach 2 Praktikum (C) (3 ECTS)	General Introduction to China, (C) (3 TC) Chinese (Language Course), (C) (3 TC) Specialisation Courses Production, (E) (mind. 2 TC) Specialisation Courses Design, (E) (mind. 2 TC) Internship, (C, E) (6 TC) 12 Wochen	Master-Thesis (30 ECTS)	Master-Thesis (0 TC)
Σ TC = 17	**Σ ECTS = 30**	**Σ TC = 13**	**Σ ECTS = 30**	**Σ ECTS = 30**	**Σ TC= 16**	**Σ ECTS = 30**	**Σ TC = 0**
Course code: C = compulsory; E = elective: SC = semi compulsory; R = recommended							

*) Angebotene Spezialisierungsfächer: Fabrikbetrieb, Steuerungstechnik, Systemdynamik, Werkzeugmaschinen