List of teaching units for TUDa students

The following study program details the course structure for TUDa students. The teaching units that have to be taken are indicated. The list also details the corresponding teaching unit/subject area at the other university. The corresponding Tongji Credits and CP are also indicated where applicable.

The names of the teaching units refer to the names of the teaching units at the respective universities as defined in the respective module guides.

Semester 1 (at TUDa)

Surfaces and Interfaces, TUDa compulsory (replaces Tongji as Mat. Sci. Selective Course)	*5 CP / 3 TC*
Functional Materials, TUDa compulsory (replaces Tongji as Mat. Sci. Selective Course)	*6CP / 3TC*
Sustainable Materials, TUDa compulsory (transferred to Tongji as Mat. Sci. Selective Course)	*6CP / 3TC*
Mat. Sci. Selective course of choice	*6CP / 3TC*

TUDa semester credits: Total (compulsory, MS selective, Non MS selective): 23CP (17/6/0)
TUDa cumulative credits: Total (compulsory, MS selective, Non MS selective): 23CP (17/6/0)

Semester 2 (at TUDa)

Theoretical Materials Science, TUDa compulsory (transferred to Tongji as Mat. Sci. selective course)	*6CP / 3TC*
Research Lab II, TUDa compulsory (transferred to Tongji as Mat. Sci. Selective Course)	*4CP / 2TC*
Mat. Sci. Selective course of choice	*6CP / 3TC*

TUDa semester credits: Total (compulsory, MS selective, Non MS selective): 16CP (10/6/0)
TUDa cumulative credits: Total (compulsory, MS selective, Non MS selective): 39CP (27/12/0)

Semester 3 (at Tongji)

Numerical Analysis, Tongji compulsory (replaces Micromechanics of Materials Science, TUDa compulsory), graded	*6CP / 3 TC*
Materials Preparation Technology and Experiments, Tongji compulsory (replaces Research Lab I, TUDa compulsory)	*4CP / 2 TC*
Writing of Scientific Literature, Tongji compulsory (transferred to TUDa as Mat. Sci. Selective Course)	*4CP / 2TC*
Research writing and ethical norm, Tongji compulsory (transferred to TUDa as Non Mat. Sci. Selective Course)	*4CP / 2TC*
Laboratory safety, not graded, Tongji compulsory (transferred to TUDa as Non Mat. Sci. Selective Course)	*2CP / 1TC*
Interim-Assessment, not graded, Tongji compulsory	*0CP / 0TC*
Chinese language course (transferred to TUDa as Non Mat. Sci. Selective course	*5CP /2,5 TC*
A General View of China (transferred to TUDa as Non Mat. Sci. Selective course	*6CP/3TC*

TUDa semester credits: Total (compulsory, MS selective, Non MS selective): 25CP (10/4/17)
TUDa cumulative credits: Total (compulsory, MS selective, Non MS selective): 64CP (37/16/17)

Semester 4 (at Tongji)

Advanced Research Lab with Seminar (transferred to TUDa compulsory as it is)	*15CP*
Modern Analytical Methods for Materials, Tongji compulsory (replaces Advanced Characterization Methods of Materials Science, TUDa compulsory)	*6CP / 2TC***
Advanced Lectures for Graduate Students, Tongji compulsory (transferred to TUDa as Mat. Sci. Selective Course if it is graded. If not, alternative selective course should be added)	*4CP / 2TC*
Thesis proposal, Tongji compulsory (transferred to TUDa as Mat. Sci. Selective Course if it is graded.)	*2CP / 1TC*

TUDa semester credits: Total (compulsory, MS selective, Non MS selective): 27P (21/6/0)
TUDa cumulative credits: Total (compulsory, MS selective, Non MS selective): 91CP (58/22/17)

Semester 5 (at TUDa)

Master Thesis TUDa compulsory (replaces Master Thesis Tongji compulsory) *Schedule of the Master Thesis* *The Topic is defined in early semester 3 in cooperation between a professor from Tongji and TUDa. A kick-off seminar takes place in semester 3. The mid-term defense is scheduled at semester 4. The thesis shall be defended (both supervisors, teleconference possible) after the theses has been submitted to Tongji.*	*30CP / 15TC*

TUDa semester credits: Total (compulsory, MS selective, Non MS selective): 30CP (30/0/0)
TUDa cumulative credits: Total (compulsory, MS selective, Non MS selective): 127CP

***, Similarly, the content of the two modules (Modern Analytical Methods, Tongji compulsory, 2TC and Advanced Characterization Methods of Materials Science, 6CP, TUDa compulsory) match very well with each other. But credit points are different, particularly due to the exercise hours, thereby 2CP less. But on the other hand, Surface chemistry of materials 3TC at Tongji are transferred to TUDa only as 5CP. To avoid the overload, the study office suggests to transfer the Modern Analytical Methods 2TC to Advanced Characterization Methods of Materials Science, 6CP.*