

ORIENTATION PROGRAM
For students of Master programs
School of Business and Economics
Winter term 2024/25

Different dates	Central welcome and information events, HU Berlin	see https://www.hu-berlin.de/de/studierende/veranstaltungen
Wednesday, October 09, 4 to 6 p.m. Location: Spandauer Str. 1, room 202	Welcome meeting for incoming exchange students at the Faculty of Economics and Management Sciences, International Office, I. Orrigo	
Wednesday, October 09, 2 to 3 p.m. Location: Spandauer Str. 1, room 202	Welcome meeting for all Master programs from the Dean of the School of Business and Economics (Prof. Klapper), Course Adviser Master's Program Economics (Prof. Weizsäcker), Course Adviser Master's Program Business Administration (Prof. Schöttner) and the Student's Council + HUFW	
Wednesday, October 09, 3 to 4 p.m. Location: Spandauer Str. 1, room 202	Information regarding study abroad, International Office, I. Orrigo	
Tuesday, October 08, 4 p.m. Location: Spandauer Str. 1, room 338	Welcome meeting MA Information Systems Prof. Lessmann	
Monday, October 14, 10 to 12 a.m. Location: Spandauer Str. 1, room 125	Welcome meeting MA Statistics Prof. Greven	
Monday, October 14 4 to 5:30 p.m. Location: Humboldt-Forum Berliner Schloss Schlossplatz 1 10178 Berlin	Enrollment Ceremony of Humboldt-Universität zu Berlin. In presence and as Stream. See: https://www.hu-berlin.de/de/studierende/veranstaltungen/zentrale-orientierungsveranstaltungen/semesterstart	

Preparatory Courses

Mathematics Preparatory Course (in presence)

Location: Spandauer Str. 1, room 220

Lecturer: K. Gorbunova

Daily 10.00 – 17.00 (incl. breaks):

Monday, October 07

Tuesday, October 08

Thursday, October 10

Moodle: <https://moodle.hu-berlin.de/course/view.php?id=129533>

Enrollment key: MathPrep24 (Enrollment is possible from October 01, 6 p.m.)

Content:

The purpose of this course is to review and practice basic mathematical concepts that will be useful throughout your master studies at our faculty. Topics will include:

Basic Matrix Algebra (Systems of linear equations, Determinants, Eigenvalues)

Differential Calculus (of real and multivariate functions, Taylor series)

Optimization (of real and multivariate functions, with and without side constraints)

Integral Calculus

The course is open to all beginners in the Master's programs of the School of Business and Economics and will be taught in English.

Econometrics Preparatory Course (digital, exercises in presence)

Lecturer: Manuel Pfeuffer

Content:

1. Motivation
2. The Simple Regression Model (OLS: assumptions, model and estimator, Goodness-of-Fit, Statistical properties of the OLS estimator)
3. The Multiple Regression Model (Model, Interpretation of coefficients, Gauss-Markov-Theorem)
4. Inference & Hypothesis Testing (Testing a single parameter: the t-Test, Testing a linear combination of parameters, Testing multiple linear restrictions: the F-Test, Confidence intervals, OLS asymptotics)
5. Heteroscedasticity and Autocorrelation
6. Maximum-Likelihood-Estimation (The Likelihood function, The ML estimator, Properties)

There will be online lecture videos and two exercise dates **in presence** on Friday, October 11, 9:00 to 12:00 and 13:00 to 16:00 (Location: Spandauer Str. 1, Room 220). Both exercises are to be attend. Further information and lecture videos are accessible on

Moodle: <https://moodle.hu-berlin.de/course/view.php?id=129846>

Enrollment key: PrepE24 (Enrollment is possible from October 01, 6 p.m.)

The courses of the winter semester start on October 15, 2024!