

Syllabus

Course Title	Statistics
Instructor Name & Contact Information	Dr. Stefan D. Haigner
Study Program / Course ID	IMEB4STAIL
Semester, Study Year	Semester 4
ECTS / SWS (Semester Credit Hours) / Contact Units	ECTS 4 / SWS 3
Course Type	IL
Prerequisites	-
Language of Instruction	Englisch
Moodle course ID (SPA)	237234
Course recognition contact	Prof. (FH) Dr. Arno Kinzinger
Attendance criterion	75 %

Grading scale	Assessment modes & weighting												
<table> <tr> <th>Grade</th><th>%</th></tr> <tr> <td>1 – Excellent</td><td>93 – 100%</td></tr> <tr> <td>2 – Good</td><td>80 – 92 %</td></tr> <tr> <td>3 – Satisfactory</td><td>65 – 79 %</td></tr> <tr> <td>4 - Adequate</td><td>50 – 64 %</td></tr> <tr> <td>5 – Fail</td><td>0 – 49 %</td></tr> </table>	Grade	%	1 – Excellent	93 – 100%	2 – Good	80 – 92 %	3 – Satisfactory	65 – 79 %	4 - Adequate	50 – 64 %	5 – Fail	0 – 49 %	Final exam Second and third exam dates are scheduled during semester assessment weeks.
Grade	%												
1 – Excellent	93 – 100%												
2 – Good	80 – 92 %												
3 – Satisfactory	65 – 79 %												
4 - Adequate	50 – 64 %												
5 – Fail	0 – 49 %												



Course description:

In the course we aim to develop your critical ability to work independently on statistical phenomena and issues. We take both a theory-based and a practice-oriented approach. Upon successful completion of the course, students will be able to effectively apply statistical reasoning to issues in everyday life as well as issues in business, and students will be able to communicate these skills developed and acquired in class. Students will develop abstract thinking skills in the context of management and economic issues

Learning outcomes:

1. Fundamentals of statistics and data analysis 2. Data matrix and scale types 3. Descriptive statistics: univariate (collection and processing of data; representation in the form of frequency distributions; calculation and interpretation of location and dispersion measures) and bivariate methods (crosstabs; regression, correlation and contingency analysis) 4. Inferential statistics (point and interval estimation; significance tests for mean values, unit values and independence) Note: The course schedule is subject to change depending on progress and activities during the course

AI policy: Students are not allowed to use AI

When using AI tools, students must clearly specify which tools were used and what prompts were entered.

Recommended literature and course materials:

Krieg, E. (2011). Statistics and Data Analysis for Social Science. Pearson.

Weiss, N.A. (2010). Introductory Statistics. Prentice Hall International