

Module Handbook (<https://modhb.uni-kl.de/>)

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Module MAT-00-33-M-1

Fundamentals of Biostatistics (M, 4.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
MAT-00-33-M-1	<i>Fundamentals of Biostatistics</i>	4.0 CP (120 h)
CHE-BaLC-15-M-1	<i>Basic Module: Fundamentals of Biostatistics</i>	4.0 CP (120 h)

Basedata

CP, Effort	4.0 CP = 120 h
Position of the semester	1 Sem. in SuSe
Level	[1] Bachelor (General)
Language	[DE] German
Module Manager	Stockis, Jean-Pierre, Dr. (WMA DEPT: MAT) (/staff/36/)
Lecturers	Stockis, Jean-Pierre, Dr. (WMA DEPT: MAT) (/staff/36/) + further Lecturers of the department Mathematics
Area of study	[MAT-Service] Mathematics for other Departments
Reference course of study	[CHE-82.96-SG] B.Sc. Food Chemistry (/mhb/FB-CHE/cos-507/)
Lifecycle-State	[NORM] Active

Courses

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
3V	MAT-00-33-K-1 (/mhb/courses/MAT-00-33-K-1/)	P	-	PL1	4.0	SuSe

- About [MAT-00-33-K-1]: Title: "Fundamentals of Biostatistics"; Presence-Time: 42 h; Self-Study: 78 h

Examination achievement PL1

- Form of examination: **written exam (Klausur) (90-120 Min.)**

Evaluation of grades

The grade of the module examination is also the module grade.

Contents

From [MAT-00-33-K-1] **Fundamentals of Biostatistics** (/mhb/courses/MAT-00-33-K-1/):

- numerical and graphical summary of quantitative data,
- basics of Probability Theory,
- point estimator and interval estimator,
- statistical decision-making procedures,
- linear regression.

Competencies / intended learning achievements

The students acquire basic knowledge in the following areas:

- numerical and graphical summary of quantitative data,
- fundamentals of probability theory,
- point estimator and interval estimator,
- statistical decision-making procedures,
- linear regression.

Literature

From [MAT-00-33-K-1] **Fundamentals of Biostatistics** (/mhb/courses/MAT-00-33-K-1/):

- L. Sachs: Statistische Methoden

Materials

Information material is made available via the Internet or, on request, as photocopies and enables the preparation, follow-up and in-depth study of the material taught.

Registration

Anmeldung über KIS erforderlich

Requirements for attendance (informal)

None

Requirements for attendance (formal)

None

References to Module / Module Number [CHE-BaLC-15-M-1]

Course of Study	Section	Choice/Obligation
[CHE-82.96-SG] B.Sc. Food Chemistry (/mhb/FB-CHE/cos-507/)	Basic Modules	[P] Compulsory

References to Module / Module Number [MAT-00-33-M-1]