

Course Handbook Midwifery Science Bachelor

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Qualifikation Goals of Study Programme

Midwifery Science Bachelor - mandatory courses (overview)

<u>Module name</u> <u>(EN)</u>	<u>Code</u>	SAP-P	<u>Semester</u>	Hours per semester week / Teaching method	ECTS	Module coordinator
<u>Empirical Methods in Social Science Research</u>	HEB-16	P311-0154	4	4S	5	Prof. Dr. Barbara Cattarius
<u>Individual Compulsory Elective Module</u>	HEB-31		7	4S	5	Prof. Dr. Barbara Cattarius

(2 modules)

Midwifery Science Bachelor - optional courses (overview)

<u>Module name</u> <u>(EN)</u>	<u>Code</u>	SAP-P	<u>Semester</u>	Hours per semester week / Teaching method	ECTS	Module coordinator
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(0 modules)

Midwifery Science Bachelor - mandatory courses

Empirical Methods in Social Science Research

Module name (EN): Empirical Methods in Social Science Research
Degree programme: <u>Midwifery Science, Bachelor, ASPO 01.10.2021</u>
Module code: HEB-16
Hours per semester week / Teaching method:

4S (4 hours per week)
ECTS credits: 5
Semester: 4
Mandatory course: yes
Language of instruction: German
Assessment: Term paper <i>[updated 09.11.2022]</i>
Applicability / Curricular relevance: HEB-16 (P311-0154) <u>Midwifery Science, Bachelor, ASPO 01.10.2021</u> , semester 4, mandatory course
Workload: 60 class hours (= 45 clock hours) over a 15-week period. The total student study time is 150 hours (equivalent to 5 ECTS credits). There are therefore 105 hours available for class preparation and follow-up work and exam preparation.
Recommended prerequisites (modules): <u>HEB-1</u> <i>[updated 06.07.2025]</i>
Recommended as prerequisite for: <u>HEB-21</u> <u>HEB-32</u> <i>[updated 06.07.2025]</i>
Module coordinator: Prof. Dr. Barbara Cattarius
Lecturer: Prof. Dr. Barbara Cattarius <i>[updated 06.07.2025]</i>
Learning outcomes: Overall Qualification Objectives: Q4, Q9, Q10, Q11 Acquired skills: After successfully completing this module, students will:

- be able to describe various approaches, designs, and methods of quantitative and qualitative primary research and understand the key methodological features of quantitative and qualitative primary studies: basic principles of sampling, instruments and methods of data collection, descriptive and inferential statistics, and methods of qualitative data analysis.
- be able to select an appropriate design and method depending on the scientific question formulated using PICO, and interpret key statistical ratios during study evaluation.
- be able to name and explain the basic structure and nature of quality criteria in different types of studies (observational, quantitative, and qualitative) and describe different forms and sources of errors in the research process or threats to data quality and identify them in primary studies.
- be able to describe the structure, methodology, and quality criteria of systematic reviews of intervention questions and interpret the results of structured-narrative and quantitative meta-analyses.
- be aware of ethical issues in research and the relevant requirements and codices.
- will be able to translate questions or issues from midwifery practice into appropriate research questions and select an appropriate study design (primary or secondary research) to investigate said question and provide evidence to support their selection.
- be able to correctly grasp the essential content, methods, results, and conclusion of studies and present them appropriately in their own words.
- be able to draw appropriate conclusions regarding the need for further midwifery-specific research depending on the quality and quantity of existing empirical findings.
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[updated 09.11.2022]

Module content:

- Designing the research process and collecting data, analyzing and evaluating data
- Methods of social science research and their nomenclature
- Quantitative and qualitative methods
- Quality criteria of quantitative and qualitative research
- Introduction to statistics (descriptive statistics, inferential statistics)
- Scientific English
- Creating hypotheses and theories
- Testing hypotheses
- Univariate & bivariate analyses
- Regression & correlation
- Study analysis
- Research ethics
- Test validation
- Interview
- Mixed methods approach
- Action research
- Observation

[updated 09.11.2022]

Teaching methods/Media:

Seminar/presentation, student contributions

[updated 09.11.2022]

Recommended or required reading:

Bühner, M., & Ziegler, M. (2017). Statistik für Psychologen und Sozialwissenschaftler. Pearson, 2. aktual. Aufl.

Chalmers, A. (2007): Wege der Wissenschaft, Springer Verlag, Berlin Heidelberg

Copnell, B., McKenna, L. (2018): Fundamentals of Nursing and Midwifery Research. A practical guide for evidence based practice

Döring, N., Bortz, J.: Forschungsmethoden und Evaluation in den Sozial- und Humanwissenschaften. Berlin, Heidelberg: Springer.

Ertl-Schmuck, R., Unger, A., Mibs, M., & Lang, C. (2014). Wissenschaftliches Arbeiten in Gesundheit und Pflege (Vol. 4108. UTB.

Heimsch, F. (2018): Statistik im Klartext: Für Psychologen, Wirtschafts- und Sozialwissenschaftler, Pearson Studium ein Imprint von Pearson Deutschland; 2., aktualisierte und erweiterte Edition

Kromrey, H.: Empirische Sozialforschung: Modelle und Methoden der standardisierten Datenerhebung und auswertung. Wiesbaden: VS Verlag für Sozialwissenschaften

Mayer, H. (2019). Pflegeforschung anwenden: Elemente und Basiswissen für das Studium. Facultas Verlags- und Buchhandels AG.

Niehoff, J.-U. (2011): Sozialmedizin systematisch, uni med Verlag, Bremen, 3. Auflage

Schnell, M.W., Heinritz, C.: Forschungsethik. Bern: Hans Huber

Spilby, H., Munro, J. (2009): Evidence based midwifery. Applications and context. Willey-Blackwell.

Voigt-Radloff, S., Stemmer, R., Behrens, J., Horbach, A., Ayerle, G. M., Schäfers, R., ... & Braun, C. (2016). Forschung zu komplexen Interventionen in der Pflege- und Hebammenwissenschaft und in den Wissenschaften der Physiotherapie, Ergotherapie und Logopädie: ein forschungsmethodischer Leitfaden zur Ermittlung, Evaluation und Implementation evidenzbasierter Innovationen. Cochrane Deutschland, Universitätsklinikum Freiburg. (frei verfügbar)

The literature will be updated by the instructor for the course.

[updated 09.11.2022]

Individual Compulsory Elective Module

Module name (EN): Individual Compulsory Elective Module
Degree programme: <u>Midwifery Science, Bachelor, ASPO 01.10.2021</u>
Module code: HEB-31
Hours per semester week / Teaching method: 4S (4 hours per week)
ECTS credits: 5
Semester: 7
Mandatory course: yes

Language of instruction: German
Assessment: Seminar contribution/ungraded course work depending on the course chosen <i>[updated 09.11.2022]</i>
Applicability / Curricular relevance: HEB-31 <u>Midwifery Science, Bachelor, ASPO 01.10.2021</u> , semester 7, mandatory course
Workload: 60 class hours (= 45 clock hours) over a 15-week period. The total student study time is 150 hours (equivalent to 5 ECTS credits). There are therefore 105 hours available for class preparation and follow-up work and exam preparation.
Recommended prerequisites (modules): None.
Recommended as prerequisite for:
Module coordinator: Prof. Dr. Barbara Cattarius
Lecturer: Alle Professoren und LfbA <i>[updated 06.07.2025]</i>
Learning outcomes: Overall qualification objectives: Q9, Q11 Acquired skills: Students can select modules worth 5 ECTS for their compulsory elective module from an updated list that is provided annually. The available modules are from the Faculty of Social Sciences and can include modules from the fields of social work, and health care management. The list of compulsory elective modules is announced on a semester-by-semester basis. <i>[updated 09.11.2022]</i>
Module content: Some elective modules from the social science department are, for example: - Interkulturelle Kompetenz (Intercultural competence) - No memory, no desire, no understanding : professionelle Haltung (No memory, no desire, no understanding : professional attitude) - Netzwerkarbeit und Kooperation zwischen bildungsrelevanten Akteuren im Sozial-raum (Networking and cooperation between education-relevant players in the social space) - Sprache als Baustein von Diversität (Language as a component of diversity) - Erziehungs- und Familienberatung (Educational and family counseling) - Kommunikation und Teamentwicklung (Communication and team development)

- Religiöse Erziehung und Bildung in der modernen Gesellschaft (Religious education in modern society)
- Einführung in die medienästhetische Praxis (Introduction to media aesthetics)
- Existenzgründung: Freiberufliche Betreuung - die Hebamme als Unternehmer*in (Starting a business: Freelance health care - the midwife as entrepreneur)
- Vorgeburtliche Bindungsförderung nach Jenö Raffai (prenatal bonding according to Jenö Raffai)
- Pädagogik, Didaktik und Beratung in der Erwachsenenbildung Familienberatung, Familienplanung (auch In- und Ausland) (Pedagogy, didactics and counseling in adult education - Family counseling, family planning (in Germany and abroad))
- Klinische Expertise und Handlungsfelder im In- und Ausland (Clinical expertise and fields of action at home and abroad)

[updated 09.11.2022]

Teaching methods/Media:

Seminar depends on the course chosen, student input is expected during the course.

[updated 09.11.2022]

Recommended or required reading:

The literature will be updated by the instructor for the course.

[updated 09.11.2022]

Midwifery Science Bachelor - optional courses