



**Karolinska
Institutet**

Course syllabus for

Scientific Methods 4 - Project Plan, 1.5 credits

Vetenskap 4 - projektplan, 1.5 hp

This course syllabus is valid from spring 2019.

Please note that the course syllabus is available in the following versions:

Spring2019 , Spring2020 , Spring2023 , Spring2024 , Spring2025

Course code	1AU067
Course name	Scientific Methods 4 - Project Plan
Credits	1.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Audiology
Level	G2 - First cycle 2
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Education committee CLINTEC
Decision date	2018-10-16
Course syllabus valid from	Spring 2019

Specific entry requirements

Admission to the course requires that the student completed all courses from semester 1-4 as well as a Pass grade on the course Scientific Methods 3.

Objectives

The course is included in a scientific streak which includes a total of 15 ECTS and runs through the whole study programme. The aim of the scientific streak is to provide the student knowledge in research methodology and skills in scientific working methods. The specific aim of this course - Scientific methods 4 - is to formulate and present a project plan for a degree project (15 ECTS).

The expected learning outcomes of the course

On completion of the course, the student should be able to:

- identify and express problems in a research project and anchor these in the scientific contexts within the project.
- design and write a research plan within the main field of the study of audiology or other areas that are relevant to audiology

Content

The course builds on knowledge from the science streak and comprises advanced knowledge in scientific methods. The course constitutes the basis for the work with a project plan in view of the degree project.

Teaching methods

Seminar about scientific methods, the research process and how one writes a project plan and an ethical application. Contacts with supervisor and the design of the project plan for the degree project. Seminars are compulsory.

In case of absence from compulsory part, the student is responsible for contacting the course director for a complementary assignment.

The course director assesses how absence from compulsory education elements can be replaced. Before the student has participated in the compulsory parts or has replaced compulsory education, in accordance to the instructions of the course director, the final study results cannot be reported.

Absence from a compulsory education element can imply that the student can not recover the occasion until next time the course is given.

Examination

Examination takes place through written submission of project plan for a scientific work and oral presentation of this.

For a Pass grade in the course, attendance and active participation in compulsory parts are also required. Students who do not pass a regular examination are entitled to re-sit the examination on five more occasions. Each time the course is offered, one regular examination and two additional examinations are given. Each occasion the student participates in the same test counts as an examination. Supplementary qualification of written assignment is counted as an examination. In case a student is registered for an examination but does not attend, this is not regarded as an examination.

Transitional provisions

Examination may take place under the previous reading list during a period of one year after the date of the renewal of the reading list. Examination will be provided during a period of two years after a close-down of the course.

Other directives

Assessment criteria for examination, specific instructions for certain tasks and timetable with specification of compulsory parts and list of responsible teachers may be found on Pingpong on the first day of the course.

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education. Course evaluation is carried out both through a written evaluation at the end of the course, and through an oral forum at least once in connection with the course, where the students may express their opinions.

Literature and other teaching aids

Backman, Jarl

Rapporter och uppsatser

3., [rev.] uppl. : Lund : Studentlitteratur, 2016 - 223 s.

ISBN:9789144097329 LIBRIS-ID:18714387

[Library search](#)

Bell, Judith; Waters, Stephen

Introduktion till forskningsmetodik

5., [uppdaterade] uppl. : Lund : Studentlitteratur, 2016 - 311 s.

ISBN:9789144110622 LIBRIS-ID:18719204

[Library search](#)

Ludvigsson, Jonas F.

Att börja forska - inom medicin, bio- och vårdvetenskap

2. uppl. : Studentlitteratur AB, 2015 - s.

ISBN:9789144097367 LIBRIS-ID:17877457

[Library search](#)

Nordenström, Jörgen

Evidensbaserad medicin i Sherlock Holmes fotspår

4., [omarb.] uppl. : Stockholm : Karolinska University Press, 2007 - 106 s.

ISBN:978-91-85565-12-2 LIBRIS-ID:10352883

[Library search](#)

Kvale, Steinar; Brinkmann, Svend

Den kvalitativa forskningsintervjun

3. [rev.] uppl. : Lund : Studentlitteratur, 2014 - 412 s.

ISBN:9789144101675 LIBRIS-ID:16763239

[Library search](#)

Olsson, Henny; Sörensen, Stefan

Forskningsprocessen : kvalitativa och kvantitativa perspektiv

3. uppl. : Stockholm : Liber, 2011 - 328 s.

ISBN:91-47-10051-6 LIBRIS-ID:12233128

[Library search](#)

Orlikoff, Robert F.; Schiavetti, Nicholas; Metz, Dale Evan

Evaluating research in communication disorders

Seventh edition : Boston : Pearson, [2015] - xvii, 480 pages

ISBN:9780133352016 LIBRIS-ID:19962114

[Library search](#)

Trost, Jan; Hultåker, Oscar

Enkätboken

5., [moderniserade och rev.] uppl. : Lund : Studentlitteratur, 2016 - 178 s.

ISBN:9789144115450 LIBRIS-ID:19616911

[Library search](#)

Helgesson, Gert

Forskningsetik för medicinare och naturvetare

Lund : Studentlitteratur, 2006 - 262 s.

ISBN:91-44-04414-3 LIBRIS-ID:10164939

[Library search](#)

Patel, Runa; Davidson, Bo

Forskningsmetodikens grunder : att planera, genomföra och rapportera en undersökning

4., [uppdaterade] uppl. : Lund : Studentlitteratur, 2011 - 149 s.

ISBN:978-91-44-06868-8 LIBRIS-ID:12180090

[Library search](#)

Ejlertsson, Göran

Statistik för hälsovetenskaperna

2., moderniserade och utök. uppl. : Lund : Studentlitteratur, 2012 - 303 s.

ISBN:978-91-44-07048-3 LIBRIS-ID:13374003

URL: [Övningsmaterial](#)

[Library search](#)

Scientific articles and other materials may be added.