



**Karolinska
Institutet**

Course syllabus for

Scientific methods 2 - scientific review, 1.5 credits

Vetenskap 2 - vetenskaplig granskning, 1.5 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

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

Autumn2011 , Autumn2012 , Autumn2013 , Autumn2014 , Spring2015 , Spring2016 , Spring2024

Course code	1AU029
Course name	Scientific methods 2 - scientific review
Credits	1.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnd 4
Decision date	2011-05-04
Revised by	Programnämnd 4
Last revision	2013-05-06
Course syllabus valid from	Autumn 2013

Specific entry requirements

For admission to the course, it is required that the student has managed at least 45 HE credits from Semester 1-2 and a Pass grade in Part 1 and 2 from the course Hearing assessment 1.

Objectives

The course is part of a scientific streak including a total of 16.5 HE credits and runs in parallel with the study programme. The aim of the scientific streak is to provide the student with knowledge on research methodology and skills in a scientific working method. The specific aim of this course - Scientific methods 2 - is to give an introduction to scientific review.

Learning outcomes of the course

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

-discuss, compare, and critically review scientific texts

-orally present, and in a group motivate an objectively review a scientific text

-demonstrate a self-critical approach by understanding and, in an objective manner, responding to others' reviews of scientific texts.

Content

An overview of the most common types of weaknesses in scientific work is preformed. Scientific articles that have been distributed during the course Sound perception should be reviewed, compared and discussed critically in groups. The library web-course on information retrieval will be individually implemented.

Teaching methods

Review of articles is carried out partly through self-studies. Presentation and discussion of the reviews take place in jigsaw seminars. In addition, an introductory lecture is given.

Seminars are compulsory. If absence from a compulsory part, the student is responsible for contacting the course coordinator for complementary assignments.

The course director assesses how absence from compulsory education elements may be compensated. Before the student has participated in the compulsory parts or has replaced compulsory education, in accordance to the instructions of the course coordinator, the final study results cannot be reported. Absence from a compulsory education element result in that the student cannot recover the occasion until next time the course is given.

Examination

Active participation in jigsaw seminars

For a Pass grade in the course, attendance and active participation in compulsory parts are also required. For students who have not passed the regular examination, possibility for examination is offered at a total of six examinations, of which the three last are in connection to the next occasion when the course is given. As examination, the times are counted that the student participated in the same test. Supplementary addition to a written assignment is counted as one examination.

Transitional provisions

Examination may take place according to an earlier literature list during a time of a year after the renewal of the literature list has been made. Examination will be provided during a time of two years after a possible close-down of the course.

Other directives

A study guide is distributed at the beginning of the course, comprising assessment criteria for examination, specific instructions for certain tasks, a timetable specifying compulsory parts, and a list of responsible teachers. The course evaluation will be carried out according to the guidelines that are established by the Board of education. The course evaluation will be carried out both through a written course evaluation at the end of the course, and through an oral course forum at least once in connection with the course, under which the students can state their opinions.

Literature and other teaching aids

Hansson, U.C.

Vad är en vetenskaplig artikel?

Karolinska Institutet, Universitetsbiblioteket, 2002

URL: [Länk](#)

Bell, Judith

Introduktion till forskningsmetodik

Nilsson, Björn

4., [uppdaterade] uppl. : Lund : Studentlitteratur, 2006 - 265 s.

ISBN:91-44-04645-6 LIBRIS-ID:10238108

URL: <http://www.studentlitteratur.se/omslagsbild/artnr/3702-04/height/320/width/320/bild.jpg>

[Library search](#)

Scientific papers and other relevant materials may be added.

Hansson, Sven Ove

Vetenskap och ovetenskap : om kunskapens hantverk och fuskverk

2. uppl. : Stockholm : ePan, 2003 - 157 s.

ISBN:91-7297-622-5 LIBRIS-ID:9326938

[Library search](#)

Schiavetti, Nicholas; Metz, Dale Evan

Evaluating research in communicative disorders

5th ed : Boston, MA : Allyn and Bacon, 2006 - xiv, 447 s.

ISBN:0-205-33772-4 LIBRIS-ID:4710890

[Library search](#)