



**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
Course syllabus valid from	Autumn 2011

Specific entry requirements

For admission to the course the student have had completed at least 80 % (48 credits) of courses at semester 1 and 2.

Objectives

The course is part of a scientific streak including a total of 16.5 HE credits and runs through the entire 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, be able to present orally, and in a group motivate an objective review of a scientific text, demonstrate a self-critical approach by understanding and, in an objective manner, responding to others' reviews of scientific text.

Content

Overview of the most common types of weaknesses in scientific works. Scientific articles distributed during the course The perception of sound should be reviewed, compared and discussed in a group. Further exercise about reference management according to the APA method.

Teaching methods

Review of articles is carried out partly through self-study. Presentation and discussion of the reviews take place in jigsaw seminars. In addition, an introductory lecture is given. Seminar exercises with companion review if the APA method is included.

Examination

Examination takes place through Active participation in jigsaw seminars. For a Pass grade in the course, attendance at compulsory parts is also required. In case of absence from a compulsory part, the student gets an individual complementary assignment determined by the course coordinator. Students who have not passed the regular examination are offered one re-examinations in connection with the regular opportunity and one more before the course take part next time. All in all, there is a possibility of six examinations, the last three of which are provided in connection with the next regular course.

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

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. Course evaluation will be carried out in accordance with the guidelines established by the Board of Education. 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, where the students may express 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](#)

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](#)