



Faculty of Health, Science and Technology
Oral Health

Syllabus

Science theory and methods, basic course

Course Code:	OHG008
Course Title:	Science theory and methods, basic course <i>Grundläggande vetenskapsteori och metoder</i>
Credits:	7.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has only upper-secondary level entry requirements (G1N)

Major Field of Study:

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2020-03-11, and is valid from the Spring semester 2021 at Karlstad University.

Prerequisites

General admission requirements plus Mathematics 2a-c, Natural Science 2 or Physics 1, Chemistry 1, and Biology 1, Civics 1b or Civics 1a1 + 1a2 (field-specific eligibility A14)

Learning Outcomes

Upon completion of the course, students should be able to:

Knowledge and understanding

- Give an account of concepts of knowledge and theory of science perspectives
- Explain the concept of evidence in relation to the main area of oral health
- Explain the research process
- Give an account of quantitative and qualitative method
- Explain basic statistical concepts

- Explain principles of research ethics

Competence and skills

- Perform a literature search in the main area of oral health
- Describe and review scientific articles in the main area of oral health
- Complete a basic literature review in the main area of oral health

Judgement and approach

- Reflect upon concepts of knowledge and theory of science perspectives in relation to the profession of dental hygiene
- Reflect upon the concept of evidence in relation to the main area of oral health
- Reflect upon sustainable development in relation to research activities in the area of oral health

Content

- Concepts of knowledge
- Theory of science perspectives
- The concept of evidence
- The research process and research methodology
- Principles of research ethics
- Basic statistical concepts
- Literature search
- Article review
- Literature review
- Media and information literacy
- Sustainable development

Reading List

See separate document.

Examination

Assessment is based on a seminar and an individual written exam.

The number of assessment opportunities is limited to five.

If students have a decision from Karlstad University entitling them to special pedagogical support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.