Course syllabus for

**Dental material 3, 4.5 credits**

Dentala material 3, 4.5 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:

Autumn2008, Autumn2012

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<tr>
<td>Credits</td>
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<td>Main field of study</td>
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<td>Grading scale</td>
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<tr>
<td>Decided by</td>
<td>Programnämnden för tandteknikerprogrammet</td>
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<td>Programnämnd 10</td>
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<td>Last revision</td>
<td>2012-05-10</td>
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**Specific entry requirements**

For admission to semester 3, at least the Pass grade is required in all courses from semester 1 and in at least 22.5 HE credits from semester 2

**Objectives**

At the end of the course, you are expected to:
- in practice be able to implement a scientific project under supervision and be able to refer to scientific studies and relevant literature, independently.
- by means of scientific methods and statistical processing, in writing and orally account for the project results and relate these to other scientific literature.
- define structure and application fields of course-related dental materials.
- thoroughly analyse and relate to various types of bindings and surface structures in specific dental materials.
- reflect and suggest different alternatives of dental materials in the production of orthodontic
- know and in practice apply various methods of connection in different dental alloys.

**Content**

- Metals, structure and function
- Moulding, soldering, theory and reality
- Atomic and molecular bindings
- Dental ceramics
- Dental cement
- Scientific methods and statistical processing with application in practical projects.

**Other directives**

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

**Literature and other teaching aids**

*Anusavice, Kenneth J.; Phillips, Ralph Wilburt Science of dental materials.*

*Phillips' science of dental materials*

ISBN:0-7216-9387-3 LIBRIS-ID:8876719
[Library search]

*Dérand, Tore; Molin, Margareta*

*Dentala material: bra att veta i klinisk vardag*

1. uppl. : Stockholm : Gothia, 2004
[Library search]

*Ejlertsson, Göran*

*Statistik för hälsovetenskaper*

[Library search]