

Inorganic Chemistry

Homepage: <http://thiele.ruc.dk/kemikurser/InorgChem/>

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Chemistry subdisciplines

Example	Features
Quantum chemistry	Theories and models
Organic chemistry	Classes of Carbon-based compounds and reactions types
Analytical chemistry	Which component and how much
Spectroscopy	Types of experimental methods
Environmental chemistry	Where does the chemistry take place

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Inorganic Chemistry:

- The chemistry of the Elements
- A share of typical properties of characteristic and important/interesting elements and their compounds
- Emphasis on co-ordination chemistry
- Prerequisites
 - Basic inorganic chemistry
 - Chemical thermodynamics and chemical kinetics
 - Bonding
 - Functional groups of carbon compounds with emphasis on
 - heteroatoms
 - properties in aqueous solution

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INORGANIC CHEMISTRY Spring 2015

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*See option's introduction in a file below of the page. There are optional subdisciplines:

- The course
- Course Plan
- Participants
- Teaching material
- Internet resources

Made since 21.1.2010:

1 1 3 8

Spring term 2010

This is a model of a very frequent structure in coordination chemistry with octahedral symmetry: if equal ligating atoms are co-ordinated to the central atom at equal distances.

This slide page was updated: Wednesday, 4. February 2015. Each page is updated separately.

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Levels of chemical description

Macro level

Observation

Models

subMicro level

Symbolics

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Chromium

A case study

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