Opasraportti

Open University - Science (2012 - 2013)

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

ay802152P: Basic Mathematics for Economics 1 a (OPEN UNI), 4 op
ay802153P: Basic Mathematics for Economics 1 b (OPEN UNI), 4 op
ay780112P: Introduction to Organic Chemistry (OPEN UNI), 4 op
ay765103P: Introduction to astronomy (OPEN UNI), 3 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

ay802152P: Basic Mathematics for Economics 1 a (OPEN UNI), 4 op

Voimassaolo: 01.08.2012 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: Open University, Oulu
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: Open University, Oulu
Opintokohteen kielet: Finnish
Leikkaavuudet:

  802152P  Basic Mathematics for Economics 1 a   4.0 op

  Language of instruction:
  Finnish
  Person responsible:
  Tomi Alaste

ay802153P: Basic Mathematics for Economics 1 b (OPEN UNI), 4 op

Voimassaolo: 01.08.2012 -
Opiskelumuoto: Basic Studies
Laji: Course
ay780112P: Introduction to Organic Chemistry (OPEN UNI), 4 op

ECTS Credits:
4 ects
Language of instruction:
Finnish.

Learning outcomes:
Upon completion of the course, the student can identify functional groups and structures of organic compounds, nomenclature, properties and reactions, can describe fundamentals of organic chemistry and use its terminology.

Contents:
Functional groups and nomenclature of organic compounds, basic principles of stereochemistry, reactions with applications.

Mode of delivery:
Face-to-face teaching

Learning activities and teaching methods:
32 hours of lectures and applications, 75 hours of self study

Target group:
Biology, Process Engineering, compulsory.
Physical Sciences, Geology, Geography, Mathematical Sciences, optional.

Prerequisites and co-requisites:
Upper secondary school chemistry

Recommended optional programme components:
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Recommended or required reading:

Assessment methods and criteria:
Two intermediate examinations or one final examination

Grading:
1-5/fail

Person responsible:
Johanna Kärkkäinen
ay765103P: Introduction to astronomy (OPEN UNI), 3 op

Voimassaolo: 01.08.2012 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: Open University, Oulu
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: Open University, Oulu
Opintokohteen kielet: Finnish
Leikkaavuudet:

765103P Introduction to astronomy 2.0 op

ECTS Credits:
3 credits

Language of instruction:
Finnish

Learning outcomes:
Student can describe by full sentences the role of astronomy in the formation of physical world view, can name the most central astronomical research subjects and can describe the proportions of the Universe.

Contents:
Basic level introduction to astronomical topics: history of astronomy, astronomica methods, the Solar System, the Sun, stars and their evolution, interstellar matter, star clusters, the Milky Way and galaxies.

Mode of delivery:
Face-to-face teaching

Learning activities and teaching methods:
Lectures 21 h, self-study 59 h

Prerequisites and co-requisites:
No specific prerequisites

Recommended or required reading:
Course lectured in Finnish, possible English study material will be decided later.

Assessment methods and criteria:
One written examination.

Grading:
Numerical grading scale 0 – 5, where 0 = fail

Person responsible:
Petri Kostama

Other information:
https://wiki.oulu.fi/display/765103P/