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

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

802153P Basic Mathematics for Economics 1 b 4.0 op

ECTS Credits:
4 ects
Language of instruction:
Finnish
Person responsible:
Tomi Alaste

ay780112P: Introduction to Organic Chemistry (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:

780112P Introduction to Organic Chemistry 4.0 op

ECTS Credits:
4 credits/107 hours of work
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, Geograhpy, Mathematical Sciences, optional.
Prerequisites and co-requisites:
Upper secondary school chemistry
Recommended optional programme components:
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Recommended or required reading:
Hart, H., Hart, D.J. and Craine, L.E.: Organic Chemistry: A Short Course, 10 th or a newer edition, Houghton Mifflin Boston, 1999; Hart, H., Hart, D.J. and Craine, L.E.: Study Guide & Solutions Book, Organic Chemistry: A Short Course, 10th or a newer edition, Houghton Mifflin Boston, 1999.
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/