DIGITAL LEAP SUPPORTING LEARNING ATMOSPHERIC SCIENCES

Masters Programme in Atmospheric Sciences

Laura Riuttanen

HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI

Institute for
Atmospheric and Earth
System Research

INAR

BSc programmes
3 years, 180 ECTS, started 1.8.2017

- Physical Sciences
- Chemistry
- Forest Sciences
- Environmental Sciences
- Geosciences
- Geography
- Science Teacher

Other BSc programmes in UH, Finland and abroad: annual call in December-January

Master's programme in atmospheric sciences

2 years, 120 ECTS, started 1.8.2017

6 study tracks

- Aerosol Physics
- Atmospheric Chemistry and Analysis
- Biogeochemical Cycles
- Geophysics of the Hydrosphere
- Meteorology
- Remote Sensing

PhD programs

The following courses are available only in Finnish:

- Meteorologian perusopinnot 25 op
  - Meteorologian perusteet 5 op
  - Klimatologian perusteet 2 op
  - Fysikaalinen klimatologia 3 op
  - Ilmakehän termodynamiikka 5 op
  - Ilmakehän virtausdynamiikka 10 op
- Meritieteen peruskurssi, 5 op
- Hydrologian perusteet, 5 op

MOOC (ENG)

Verkko-toteutus (ENG)

mooc.helsinki.fi/course/view.php?id=237

Omat kurssini

Kurssit / MOOC-demokurssit

Meteorologian perusteet

mooc.helsinki.fi/course/view.php?id=239

Omat kurssini

Kurssit / MOOC-demokurssit

Basics of Climatology

mooc.helsinki.fi/course/view.php?id=238

Omat kurssini

Kurssit / MOOC-demokurssit

Basics of Oceanography

SISÄLTÖ

Johdanto

1. Topography of the Seas
2. Physical properties of seawater
3. The heat budget-, optics and acoustics of the sea
4. Oceanic Dynamics
5. Wave motion
6. Sea ice and oceanic observation methods

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- SystemicChange.now
- Climate.now for scools

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