Round table
EDUCATION
Outline

- Education at UAB and UB (Bachelor)
- Exchange possibilities
- Previous years
- How to improve?
Education at UAB (Sciences Faculty)

Degrees (4 courses and 240 ECTS)

- Applied Statistics
- Chemistry
- Computational Mathematics and Data Analytics
- Environmental sciences
- Geology
- Mathematics
- Nanoscience and Nanotechnology
- Physics

Double degrees

- Environmental sciences+Geology (5 courses and 342 ECTS)
- Physics+Mathematics (5 courses and 330 ECTS)
- Physics+Chemistry (5 courses and 343 ECTS)

Education at UB (Physics, Chemistry)

Degrees (4 courses and 240 ECTS)

- Chemistry
- Chemistry engineering
- Physics
- Material engineering
- Telecommunication engineering

Double degrees

- Physics+Mathematics (5 courses and 318 ECTS)

https://www.ub.edu/portal/web/chemistry
Exchange possibilities

ERASMUS + (till 2020-2021)

Students: Bachelor, Master, PhD

- students enrolled in European universities
- from 3 months to a full academic year
- the recognition of studies will be made according to the Learning Agreement that the student has agreed with the coordinator of exchange before leaving

Staff

- to spend time teaching at an education institution abroad
- from 2 days to 2 months but funding only for maximum 5 days
- minimum of 8 hours of teaching/week for periods between 2 and 5 days.
- combined with training, minimum of 4 hours of teaching/week
Exchange possibilities

**Innovative training networks**

- **European Industrial doctorates**
- **European Joint doctorates**
- **European Training networks**

Exchange possibilities

**Cotutelle**

International PhD joint supervision

- The PhD students will be assigned a thesis supervisor at each of the two centres subscribing to the agreement.

- Agreements may only be signed within the first year of research (the approximate time of processing the joint supervision is six months).

- Once the doctoral candidate has successfully defended the thesis written under cotutelle, he/she is entitled to two PhD degree certificates, one from each centre, as agreed by both institutions.

https://www.uab.cat/web/study/phds/cotutelle

-international-joint-supervision-1345680701522.html
Since 2016/17 we have two Erasmus + agreements for Physics and Geology studies.
All agreements are for 2 students with a semester stay (or in principle, 1 student with an annual stay).
These two agreements are valid until the end of the academic year 2020-21.
Currently, there are no teaching agreements for staff but they can be opened.
Previous years

2016-2017: 0
2017-2018: 0
2018-2019: 1
2019-2020: 1

Both students in Geology
UB (Physics Faculty)

- UB has one Erasmus + agreement for Physics but there has been no student exchanges in the last 3 years
How to improve?

Possible reasons?
- Language, English speaking countries are very demanded
- Geographical proximity

Possible solutions?
- High quality specific programme
Ideas?
Suggestions?
Comments?
Experiences?
Education at UAB (Sciences Faculty)

Masters (I)

- Advanced Nanoscience and Nanotechnology
- Electrochemistry, Science and Technology
- **Erasmus Mundus** Enginyeria Fotònica, Nanofotònica i Biofotònica / European Master in Photonics Engineering, Nanophotonics and Biophotonics
- **Erasmus Mundus** in Environmental Studies - Cities and Sustainability
- **Erasmus Mundus** in Mathematical Modelling in Engineering: Theory, Numerics, Applications
- Geology and Geophysics of Reserves
- High Energy Physics, Astrophysics and Cosmology

Masters (II)

- History of Science: Science, History and Society
- Industrial Chemistry and Introduction to Chemical Research
- Interdisciplinary Studies in Environmental, Economic and Social Sustainability
- Mineral Resources and Geological Hazards
- Modelling for Science and Engineering
- Paleobiology and Fossil Record
- Photonics
- Soil and Water Management