Course Specifications

Valid as from the academic year 2015-2016

Questions in Space Studies (C003741)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size (nominal values; actual values may depend on programme)

Credits 5.0 Study time 130 h Contact hrs 25.0 h

Course offerings in academic year 2020-2021

A (year) English Gent

Lecturers in academic year 2020-2021

Van Oostveldt, Patric	LA25	lecturer-in-charge
De Winne, Frank	KULEU	co-lecturer
Waelkens, Christoffel	KUL	co-lecturer

Offered in the following programmes in 2020-2021	crdts	offering
Master of Science in Space Studies	5	A

Teaching languages

English

Keywords

Position of the course

Contents

The content of the course includes a concise presentation of the main international organisations or agencies of space science and the different industrial and governmental players active in the field. The balance between governmental and entrepreneurial participation will be discussed together with different perspectives and evolving trends in Space Science, space management and technology. A short presentation of the different technological challenges presented in commercial, military and scientific space missions is essential to place the whole program in a good context. The impact of global space related activities on the organisation of society can be evaluated and presented.The course will also give a global survey of different space related commercial, scientific and legal differences between different agencies and industrial players active in space science. Special attention will be given to human interest, sociological and ethical aspects of typical space science and exploration illustrated with historical steps or milestones.
The subject of the seminar is each year a different topic which involves aspects from several disciplines, and where the interdisciplinarity between these different aspects is essential for the answers to the research questions.

Initial competences

None

Final competences

1 Students are capable of analysing and understanding the main scientific, technological, and societal aspects of human spaceflight;
2 Students are able to report on these issues for a specialised and a general audience;
3 Students can apply, in the field of human spaceflight, the knowledge and abilities they obtained during their previous academic master;
4 Students have shown ability to integrate different aspects in the resolution of a specific question highlighting the interdisciplinary nature of human spaceflight;
5 Students are capable to execute research individually and within a team.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Excursion, lecture, seminar

Learning materials and price

References

Course content-related study coaching

Evaluation methods

continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Examination methods in case of periodic evaluation during the second examination period

Examination methods in case of permanent evaluation

Assignment, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

For the first ola, students individually develop a certain research question in a paper which they then finally present.
For the second ola, students develop an interdisciplinary research question as a team, leading to a common paper.

Calculation of the examination mark

Students can only pass if they have passed for both ola's. If the latter is the case, the total score is a weighted mean according to the study points involved. Students that get a failing grade on one of both OLA's cannot get a total final score above 9/20.