

Module Layout

SEC213 Space Applications for Security and Defence

Faculty	STHEE	Faculty of Pure and Applied Sciences	
Programme of Study	SEC	Security and Defence	
Module	SEC213	Asymmetric Threats and Countermeasures	
Level of Study	Undergraduate		Graduate
		Master	Doctoral
		✓	
Language of Instruction	English		
Mode of Delivery	Distance Learning		
Module Type	Required		Electives
			✓
Number of Group Consulting Meetings	Total	Physical Presence	Online
	14	0	14
Number of Assignments	2 Assignments, 12 Interactive Exercises		
Final Grade Calculation	Assignments	Interactive activities	Final exam
	30%	20%	50%
Number of European Credit Transfer System (ECTS)	10		

Module Description

The course "Space Applications for Security and Defence" focuses on the use of space technology to enhance security in various forms, including political, military, economic, and environmental, for the benefit of all countries that have access to such capabilities. The use of satellite technology, which provides a wide-ranging view and is not equally accessible to all countries, can give one side a significant advantage over another. As technology continues to evolve, the distinction between military and civilian systems is becoming less clear and commercialization has allowed more countries to access space technology. However, not all countries acquire these technologies at the same time, which means that the country that innovates often gains temporary advantages over others. This course aims to provide students with a comprehensive understanding of the fundamental concepts of space in the security and defence field. It demonstrates the potential of satellite technology as a tool that can greatly contribute to a country's national security in all forms.

Pre-requisite Modules

None

Co-requisite Modules

None

Grading Scheme

Assessment Method	Workload
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	<i>Percentage on Final Grade</i>	<i>Hours</i>	<i>ECTS</i>
Weekly study- Assignments -Group Meetings (14 weeks *~14 hours)	0%	175-210	7
Assignment 1	15%	25-30	1
Assignment 2	15%	25-30	1
Interactive activities	20%	25-30	1
Final exam	50%	3	
Total	100%	250-300	10

Grading Rules and Assessment methods

- Students are evaluated with 9, if they earn 90% of the possible grade, i.e. $90\% * 10 = 9$, etc.
- Passing rate
 - 50% of the Assignments
 - 50% of the Interactive Activities
 - Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade ($\geq 50\%$) in both their Assignments and Interactive Activities
 - 50% of the Final exam

If a student earns a grade with decimal points, then it is rounded to the nearest half unit.