

## Module Layout

### SEC211 Asymmetric Threats and Countermeasures

<b>Faculty</b>	STHEE	Faculty of Pure and Applied Sciences	
<b>Programme of Study</b>	SEC	Security and Defense	
<b>Module</b>	SEC211	Asymmetric Threats and Countermeasures	
<b>Level of Study</b>	<b>Undergraduate</b>		<b>Graduate</b>
		<b>Master</b>	<b>Doctoral</b>
		✓	
<b>Language of Instruction</b>	English		
<b>Mode of Delivery</b>	Distance Learning		
<b>Module Type</b>	<b>Required</b>		<b>Electives</b>
			✓
<b>Number of Group Consulting Meetings</b>	<b>Total</b>	<b>Physical Presence</b>	<b>Online</b>
	14	0	14
<b>Number of Assignments</b>	2 Assignments, 12 Interactive Exercises		
<b>Final Grade Calculation</b>	<b>Assignments</b>	<b>Interactive activities</b>	<b>Final exam</b>
	30%	20%	50%
<b>Number of European Credit Transfer System (ECTS)</b>	10		

#### Module Description

The purpose of the Thematic Unit SEC211 «Asymmetric Threats & Countermeasures» is to help the student understand the basic concepts in modern military systems, especially concerning sensors (such as radars and electro-optical systems), low observable designs, modern weapons, unmanned aerial vehicles, and unmanned combat aerial vehicles. The main idea is to present current developments in military technologies, focused mainly on the air domain, as well as to explore the defence against such modern threats, from an academic perspective. Each week, a new aspect of these technologies and approaches is presented and discussed, using appropriate examples and lessons learned from recent conflicts.

#### Pre-requisite Modules

None

#### Co-requisite Modules

None

#### Grading Scheme

Assessment Method	Percentage on Final Grade	Workload	
		Hours	ECTS

<b>Weekly study- Assignments -Group Meetings</b> (14 weeks *~14 hours)	<b>0%</b>	175-210	<b>7</b>
<b>Assignment 1</b>	<b>15%</b>	25-30	<b>1</b>
<b>Assignment 2</b>	<b>15%</b>	25-30	<b>1</b>
<b>Interactive activities</b>	<b>20%</b>	25-30	<b>1</b>
<b>Final exam</b>	<b>50%</b>	3	
<b>Total</b>	<b>100%</b>	<b>250-300</b>	<b>10</b>

#### **Grading Rules and Assessment methods**

- Students are evaluated with 9, if they earn 90% of the possible grade, i.e.  $90\% \times 10 = 9$ , 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.