

## Module Layout

### SEC212 Technoethics/Ethics for Emerging Military Technologies

<b>Faculty</b>	STHEE	Faculty of Pure and Applied Sciences	
<b>Programme of Study</b>	SEC	Security and Defense	
<b>Module</b>	SEC212	Technoethics/ Ethics for Emerging Military Technologies	
<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**

In this course we will explore some of the many ethical challenges posed by emerging technologies used for Defence and Security purposes. This course will provide the student with an understanding of fundamental ethical questions related to AI, algorithms, human enhancement, surveillance, drones and cyber warfare technologies and techniques; analysis of Law and Ethics for Defence Industries and Engineers will also be part of the curriculum. This course will provide a historical contrast with which to compare and contextualize the novel and exciting challenges of the 21st century. By the end of this course the student will be able to identify and distinguish ethical challenges particular to emerging technologies, as well as the implications of such technology for important moral concepts such as agency, responsibility and privacy.

#### **Pre-requisite Modules**

None

#### **Co-requisite Modules**

None

#### **Grading Scheme**

<b>Assessment Method</b>	<b>Percentage on Final Grade</b>	<b>Workload</b>	
		<b>Hours</b>	<b>ECTS</b>
<b>Weekly study- Assignments -Group Meetings</b> (14 weeks *~14 hours)	0%	175-210	7
<b>Assignment 1</b>	15%	25-30	1
<b>Assignment 2</b>	15%	25-30	1
<b>Interactive activities</b>	20%	25-30	1
<b>Final exam</b>	50%	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.  $90\% * 10 = 9$ , 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.