Module Layout
SEC102 Research Methods

Faculty	STHEE	Faculty of Pure and Applied Sciences		
Programme of Study	SEC	Security and Defense		
Module	SEC202	Research Methods		
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

Research is a crucial element and often the most valuable and satisfying element of any postgraduate program. This requires the emergence of critical and independent thinking to enable students to support their ideas and contributions by organizing them in a coherent and sensible manner. This course overviews the research process in a general manner emphasizing on research methods in the areas of education and wireless communication systems. The main objective is to provide students the skillset to identify, formulate, and present a research proposal.

Research Methods course covers a range of advanced subjects in research methods. Throughout a series of lectures, it introduces students as new researchers to the principles, methodologies, methods, techniques, and tools for conducting scientific research. Based on the research stages, this unit analyses each different phase of research. In addition, it focuses on building a solid basis for understanding research designs, data collection techniques, data analysis techniques and to emphasize the importance of ethical considerations in research. Subsequently, students receive training on research methods and on the retrieval and analysis of academic literature.

The course starts with the theoretical background followed by practical training in statistical analysis of data with the use of SPPS software as an invaluable asset towards their dissertation. Through the combination of the above subject areas, students are expected to acquire good knowledge of research methods as the key component in the successful completion of their dissertation.

Pre-requisite Modules	
None	

Co-requisite Modules

None	

Grading Scheme			
Assessment Method	***Percentage on Final Grade***	***Workload***	
		Hours	***ECTS***
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 (≥ 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.