



NEMZETI
KÖZSZOLGÁLATI EGYETEM
A HAZA SZOLGÁLATÁBAN
HADTUDOMÁNYI ÉS HONVÉDTISZTKÉPZŐ KAR

DOCTORAL SCHOOL OF MILITARY SCIENCES
Founded in 1996

In effect since 16 January, 2019

**TRAINING PROGRAMME
OF THE
DOCTORAL SCHOOL OF MILITARY SCIENCES**

TRAINING PROGRAMME OF THE DOCTORAL SCHOOL OF MILITARY SCIENCES

1. MISSION, FIELDS OF RESEARCH AND FORMS OF TRAINING AT THE DOCTORAL SCHOOL OF MILITARY SCIENCES

- a.) **Mission of the programme:** to prepare PhD students for obtaining their doctoral (PhD) degree in military sciences, who are participating in either organized or individual training.
- b.) **Research fields of the doctoral school:** researches in military sciences focusing on activities related to defence and public administration. The research fields are divided into seven areas:
1. Security studies
 2. Social aspects of defence studies
 3. General military theory
 4. Theories of military science
 5. Defence logistics and defence economics
 6. National security
 7. Theory of defence information technology and communication
- c.) **The training at the Doctoral School of Military Sciences is based on the following accredited Masters programmes:**
- | | |
|---|--------------------------|
| | (Resolution of the HAC): |
| – Military operational logistics | (2012/9/VI/11); |
| – Defence administration | (2005/8/IV/4); |
| – International security and defence policy | (2005/8/IV/6); |
| – National security | (2005/8/IV/7); |
| – Military leadership | (2005/8/IV/8); |
| – Military facilities management | (2012/9/VI/13); |



On this basis, the Doctoral School primarily admits students with Master's Degrees from the aforementioned programmes. However, in conformity with the Act on National Higher Education, any applicant with a degree from another higher education institution may also be admitted if he/she applies with a research topic relevant to military sciences.

d.) **Forms of education in the Doctoral School:**

da) Organized training:

- full time (state funded or self-financed);
- part time (distance learning, self-financed);
- individual (self-financed);

db) Unorganized training: individual preparation

e.) **Language of the training:** Hungarian and English



2. CREDIT ALLOCATION, TRAINING REQUIREMENTS

a.) General training requirements:

aa) As part of the organized training, doctoral students must complete a minimum of 240 credits by the end of the 8th semester as a prerequisite to obtaining the absolutorium (pre-degree certificate).

- minimum 50 credits for academic results;
- minimum 180 credits for scientific research;
- maximum 10 credits for holding lectures (teaching);

ab) The doctoral training programme consists of two phases: 1. Training and research phase and 2. Research and dissertation phase. Each phase consists of four semesters and an average of 30 credits need to be collected during each semester ($8 \times 30 = 240$ credits).

1. Training and research phase:

- a) By the end of this phase (first four semesters) doctoral students must obtain 120 as follows:
 - 50 credits for academic results;
 - minimum 70 credits for scientific researches;
 - 10 credits for holding lectures (a total of 10 credits may be acquired, however, teaching is not obligatory. Should a PhD student does not wish to teach courses, said credits may be substituted with other scientific or academic activities);
- b) at the end of the second year of their doctoral studies, doctoral students must pass a comprehensive examination;
- c) upon successful completion of the comprehensive examination, students receive 20 credits, which are taken into account for the 5th semester.
- d) by the end of the first semester doctoral students are required to prepare an individual study and research plan for the first four semesters, which needs to be submitted by the 31st January of the following year;
- e) At the beginning of each semester, doctoral students must submit their “Study and Research Plan” for the given semester, which includes their course enrollment, research work, and planned publications.



- f) prior the application for the comprehensive examination, doctoral students are required to submit their research plan for the research and dissertation phase.
- g) At the end of the training and research phase, doctoral students shall take a comprehensive examination, after which they have maximum three years to complete the dissertation and apply for the Doctoral Procedure.
- h) The training and research phase is followed by the second phase of the doctoral training, namely the research and dissertation phase.

2. Research and dissertation phase:

- a) The objective of this phase is to maintain a continuous scientific research and to achieve progress with the preparation of the dissertation. Hence, PhD students are required to document and report their progress as part of the “Dissertation research” module. 5 credits per semester may be given for the report.
- b) This phase also consists of four semesters and doctoral students must obtain 120 credits in the following structure:
 - 20 credits for the comprehensive examination;
 - (a minimum of) 70 credits for scientific research work;
 - 20 credits for dissertation research work;
 - 10 credits for teaching (during the eight semesters a maximum of 10 credits can be collected such way, however, teaching is not obligatory. Should a PhD student not take the opportunity, teaching may be substituted with scientific or academic activities).
- c) The requirements of the full-time doctoral training programme are identical to the requirements of the part-time training programme. Doctoral students enrolled in individual training programme shall also obtain 240 credits in accordance with their own research plan, and the necessary number of credits is to be obtained by the end of the training and research phase. Doctoral students with individual training plan, however, are not required to attend PhD classes.

2.1. Requirements for the completion of doctoral studies

- a) In regards to academic progress, doctoral students participating in organized training are required to obtain 50 credits by registering for mandatory and elective courses in the following order;



- b) In the first four semesters, doctoral students must register for the contact classes, seminars and lectures listed in the Curriculum of the Doctoral School.
- c) In the first two semesters, doctoral students must register for 1 elective course per semester related to one's research topic. The course can be chosen from the list of elective courses for 2 credits. Said course may be selected from any research field. Each academic year, the full range of elective courses is approved by the Council of the Doctoral School.
- d) In the third and fourth semesters, doctoral students must register for an optional - 2 credits - research seminar per semester related to one's research topic. Each academic year, the full range of optional research seminars is approved by the Council of the Doctoral School.
- e) The aforementioned criteria (points a-d) are also compulsory for doctoral students pursuing an individual training programme.
- f) Apart from the above, doctoral students may register - preferably during the first four semesters - for further lectures and research seminars, although the total number of credits shall not exceed 264 at the end of the doctoral programme.
- g) In the fourth semester doctoral students are required to register for a *Research Workshop Seminar*, which facilitates the preparation for the comprehensive examination. At the beginning of the semester, doctoral students are to be informed about the requirements of the comprehensive examination and about the method for compiling a research plan. At the end of the semester, doctoral students – during a forum organized separately for each research area and by the head of the research field – demonstrate their knowledge on relevant professional literature and present their research plans for the research and dissertation phase.
- h) During the research and dissertation phase, doctoral students are to register for the dissertation research work module (1st-4th semesters) in the framework of which they are required to present their research progress at the end of the respective semester.

2.2. Scientific research work requirements

- a) In order to meet the requirements of the scientific research work, doctoral students are requested to sign up for the “Scientific research” course of the



respective semester (Scientific research I-VIII.). In regards to scientific research activities, doctoral students must gain at least 9 credits in the first semester, and at least 12 credits during each further semesters. By the end of the doctoral programme, at least 140 credits must be collected (for credit calculation, see table of credits in Annex 1)

- b) The same publication or scientific activity can be taken into account only once during the entire period of the doctoral programme.
- c) A scientific publication has a minimum length of 0.5 sheet, and it should be published in national or international journals approved by the Committee on Military Science (or any other Committee) of the Hungarian Academy of Sciences (A, B, or C categories).
- d) Exceptions of the above are posters and conference proceedings, which are shorter publications.
- e) Rules of taking into account publications in a given semester:
 - a submitted but not yet accepted publication, or a study where the editor requests major changes are considered as non-peer reviewed article;
 - a certified editor's declaration must be attached to a submitted but yet unpublished paper;
 - In case of a co-authored publication, a co-authorship declaration has to be enclosed confirming the contribution in percentage. Credits are to be awarded based on the contribution in percentage and decimals are to be rounded in accordance with the general rules of mathematics. As an exception, 0.5 fractional parts are always rounded up;
 - To allocate credits for published or submitted but not yet published scientific articles, doctoral students have to submit either a photocopy of the article, or in case of online journals, a downloaded and printed version. In case the study has not been published yet, it must be submitted at the secretary of the DS no later than the last day of the exam period in the following semester.
- f) A doctoral student is required to:
 - fa) during the training and research phase: collect 10 credits for publications, which consist of at least four publications in Hungarian about the doctoral student's own research results. These articles are to be published in a national or



international journal that has been defined by the Committee on Military Science (or any other committee) of the HAS (categories A, B, or C);

- fb) during the research and dissertation phase: to collect 10 credits for publications, which consist of at least three publications in Hungarian and one paper in foreign language. These articles are to be published in a national or international journal that has been defined by the Committee on Military Science (or any other committee) of the HAS (categories A, B, or C).

Therefore 20 publication credits are required for the doctoral students prior to obtaining the absolutorium.

2.3 Teaching requirements

- a) Teaching is an optional – and not obligatory – activity to collect credits.
- b) If doctoral students do not take on teaching activity, they may obtain the 10 credits – in lieu of teaching – through other scientific activities or additional studies.
- c) If doctoral students are employed as lecturer, they are not entitled to obtain credits for teaching activities at the employer university.
- d) Credits can only be earned through teaching activity from the second semester onwards – with the exception of doctoral students enrolled in individual training.
- e) Doctoral students who wish to earn credits for teaching activity are required to select the “Teaching” course from the course list of the respective semester.
- f) Teaching can only be conducted with the permission of the Head of the relevant department, in the research topic of the doctoral student – or in a topic close to that research field.
- g) Four classes held are equal to one credit.
- h) Doctoral students may collect a total of 10 credits for teaching activities throughout the eight semesters.
- i) The Head of the relevant department shall attest the conduct of teaching.
- j) The requirements of the doctoral training – as well as the rules of admission and degree procedures of students enrolled in individual preparation – are specified in the Academic and Examination Regulations of the Doctoral School of Military Sciences and in the Doctoral and Habilitation Regulations of the University.



3. TESTING KNOWLEDGE

- (1) During the doctoral training programme, the knowledge of doctoral students in each academic subjects is tested in accordance with the Curriculum. The content of each tests is described in the Course Programmes.
- (2) Testing may be conducted in the following ways:
 - a.) Concerning academic studies:
 - Lectures with 5-point grading scale;
 - Practice with 5-point grading scale;
 - b.) Concerning scientific and teaching activities:
 - Completion of each subject that the doctoral student signed up for is based on 5-point grading scale.
- (3) In case of end-of-term exams, the marks are determined by the examiner or leading teacher. Regarding the “Scientific research” course, it is the supervisor who assigns the mark and signs the markbook, while in case of “Teaching”, it is the Head of the relevant department who is responsible for defining and signing the mark in the markbook. The “Research workshop” and “Dissertation research” modules are signed by the head of the specific research field.
- (4) The rules of retaking examinations and the tasks to complete an improvement exam are regulated by the Academic and Examination Regulations of NUPS.

(5) THE COMPREHENSIVE EXAMINATION

After the completion of the first four semesters of the doctoral training programme - i.e. as a conclusion of the training and research phase - doctoral students are required to take a comprehensive examination.

5.1. Prerequisites of the comprehensive examination:

- a) Doctoral students shall apply for the comprehensive examination by filling the application form, which can be downloaded from the website of the Doctoral School. The application form is to be submitted in person at the Doctoral School.
- b) Doctoral students must have an assessment of their research progress by their supervisor.



- c) During the training and research phase of the doctoral training programme (first four semesters), at least 120 credits (50 for academic achievements and 70 for scientific research) must be obtained.
- d) Doctoral students shall acquire 10 publication points (4 scientific articles).
- e) Doctoral students enrolled in individual training programme can apply for the doctoral procedure in a separate request, after their application for the comprehensive examination has been accepted. The applicant should acquire documented teaching activities or research work equal to 150 credits, and 20 credits for publication which are mandatory for obtaining the degree. Doctoral students enrolled in individual training programme are to choose the courses for their examination from the list of courses approved for the given academic year by the Doctoral Council. Further requirements for doctoral students in individual programme are determined in Paragraph (37) of the Doctoral and Habilitation Regulations of the University.
- f) Before the examination, the doctoral student is to submit a research plan for the research and dissertation phase, which contains the requirements set by the DS, and the scheduling of the preparation of the dissertation and the publication of the research findings.

5.2. Composition of the examination committee

- a) The comprehensive examination must be taken in publicly before a committee.
- b) The examination committee consists of four members, two of whom are not employed by the University (external members).
- c) A comprehensive examination must be organized by research areas.
- d) The chair of the examination committee is the head of the doctoral school. Further members of the committee are: leader of the research area and 2 external professionals.
- e) Each member of the examination committee must have a scientific degree.
- f) The supervisor of the doctoral student cannot be among the members of the examination committee.

5.3. Execution of the examination

- a) The comprehensive examination consists of two major segments: the first part is to assess the theoretical preparedness of the doctoral students (“theoretical part”), while



during the second part, doctoral students present their scientific achievements (“dissertation part”). The theoretical section includes two courses, which must be related to the research topic of the doctoral student. The courses can be selected from the full range of courses approved by the Council of the Doctoral School.

- b) During the second part of the examination, doctoral students demonstrate their scientific research progress and their knowledge on professional literature in form of a 10 to 15 minutes presentation. A written, 15 to 20 pages long, research plan related to the “Research and dissertation phase” (scheduling the progress of the dissertation, publication plans) must also be submitted.
- c) Before the comprehensive examination, the supervisor prepares a written report on the academic and research activities of the doctoral student.
- d) Doctoral students may receive 20 credits - registered during the fifth semester - and subsequently begin the two years “Research and dissertation” phase upon successful completion of the comprehensive examination.
- e) The written evaluation of the comprehensive examination is recorded in the exam proceedings. The final results of the examination shall be announced on the day of the oral examination.
- f) The committee members evaluate the doctoral student’s performance by sections and by topics in case of the theoretical part in a 5-point grading scale. The examination is successful if the doctoral student reaches 60% of the points both by sections and the total points combined. The result of the evaluation of the comprehensive examination may be either pass or fail.
- g) A failed comprehensive examination may be retaken once, in the same term. In case of failed comprehensive examination, the legal status of the doctoral student shall be terminated on the day of the exam.



4. COMPLETING THE TRAINING, THE REQUIREMENTS OF OBTAINING THE PRE-DEGREE CERTIFICATE

- a) The pre-degree certificate (absolutorium) certifies that doctoral students have fulfilled all the required coursework, scientific research and teaching activities (optional choice), have successfully passed - with the exception of language exams - all required exams, and have obtained the 240 credits listed among the requirements. The certificate also proves - without any qualification or evaluation - that doctoral students have completed the set requirements of the doctoral training programme.
- b) At the end of the eighth semester – if all conditions of issuing the pre-degree certificate exist – the doctoral school issues the pre-degree certificate. However, doctoral students only receive the certificate after the supervisor’s report on the 4-year progress has been submitted to the doctoral school.
- c) To issue the absolutorium, it is required to collect 20 credits for publications - prepared during the training and related to the doctoral student’s research field -, which consist of at least seven publications in Hungarian and one paper in foreign language. These articles are to be published in a national or international journal that has been defined by the Committee on Military Science (or any other committee) of the HAS (categories A, B, or C).
- d) The four-year training period cannot be shortened – except for doctoral students enrolled in individual training programme – the pre-degree certificate cannot be issued earlier. The preliminary defence, however, may be conducted in the last semester.
- e) The absolutorium shall be signed by the head of the doctoral school.
- f) Once it has been signed, the legal status of the doctoral student terminates. Between the application to the degree procedure and the awarding of the doctoral degree, the status of the candidate changes to “dissertation submitter”.



CURRICULUM

TRAINING STRUCTURE OF THE DOCTORAL SCHOOL OF MILITARY SCIENCES

	SEMESTER	ACADEMIC REQUIREMENTS	SCIENTIFIC RESEARCH (at least 12 credits/semester)	TEACHING (1 credit for every 4 classes – elective)	DISSERTATION ON RESEARCH WORK (progress with the dissertation)
TRAINING AND RESEARCH PHASE	1.	Foundations of Military Science Exam = 3 cr.	Scientific research I.	-	-
		Classics of Military Science I. Exam = 3 cr.			
		Social aspects of defence studies Exam = 3 cr.			
		Foundations of scientific research I. Mark = 2 cr.			
		Elective research studies (in any research field) Exam = 2 cr.			
	2.	Security Policy - Military Security Exam = 3 cr.	Scientific research II.	Teaching I.	-
		Foundations of scientific research II. Mark = 2 cr.			
		Theory of military science I. (land); Exam = 3 cr.			
		Classics of Military Science II. Exam = 3 cr.			
		Elective research studies (in any research field) Exam = 2 cr.			
	3.	Military logistics and Medicine Mark = 2 cr.	Scientific research III.	Teaching I.	-
		Defence Administration Mark = 2 cr.			
		History of military science in Hungary; exam = 3 cr.			
		Theory of military science II. Exam (air force) = 2 cr.			
		Elective research studies (own research field) Mark = 2 cr.			
	4.	Information operations Mark = 2 cr.	Scientific research IV.	Teaching III.	-
		War and Ethics; Mark = 2 cr.			
		National security; Mark = 2 cr.			
		Elective research studies (own research field) Mark = 2 cr.			
		Research workshop			



		(preparation for the comprehensive examination) Mark = 2 cr.			
	Total:	50 credits	70 credits		-
		120 credits			
COMPREHENSIVE EXAMINATION = submitting the written material, 20 credit may be obtained and registered for the fifth semester.					
RESEARCH ÉS DISSERTATION PHASE	5.	- (20 credits for the comprehensive examination)	Scientific research V. 20 cr.	Teaching IV.	Dissertation research work I. 5 cr.
	6.	-	Scientific research VI. 20 cr.	Teaching V.	Dissertation research work I. 5 cr.
	7.	-	Scientific research VII. 20 cr.	Teaching VI.	Dissertation research work III. 5 cr.
	8.	-	Scientific research VII. 20 cr.	Teaching VII.	Dissertation research work IV. 5 cr.
	Total:	- 20 cr.	70 credits	maximum 10 credits (in eight semesters)	20 credits
		Total: 240 credits			



CURRICULUM

Semester	ACADEMIC REQUIREMENTS					SCIENTIFIC RESEARCH		TEACHING Credits (optional)
	Subject	Credits	Contact classes		Type	Subject	Minimum credits:	
			Full - time	PT				
1.	Foundations of Military Science	3	30	10	Exam	Scientific research I.	(at least 12 credits/semester)	-
	Classics of Military Science I.	3	30	10	Exam			
	Social aspects of defence studies	3	30	10	Exam			
	Foundations of scientific research I.	2	20	6	Mark			
	Elective research seminar	2	20	6	Mark			
2.	Security Policy - Military Security	3	30	10	Exam	Scientific research II.	(at least 12 credits)	
	Foundations of scientific research II.	2	20	6	Mark			
	Classics of Military Science II.	3	30	10	Exam			
	Theory of military science (land);	3	30	10	Exam			
	Elective research seminar	2	20	6	Mark			
3.	Military logistics and Medicine	2	20	6	Mark	Scientific research III.	(at least 12 credits)	
	Defence Administration	2	20	6	Mark			
	History of military science in Hungary	3	30	10	Exam			
	Theory of military science II. (air force)	3	30	10	Exam			
	Elective research seminar	2	20	6	Mark			
4.	Information operations	2	20	6	Mark	Scientific research IV.	(at least 12 credits)	
	War and Ethics	2	20	6	Mark			
	National security	2	20	6	Mark			
	Armed forces of the Great Powers and their application	2	20	6	Mark			
	Research workshop	2	20	10	Mark			
	Elective research seminar	2	20	6	Mark			
COMPREHENSIVE EXAMINATION = 20 credits								
5.	Research phase					Dissertation research work I.	5	
						Scientific research V.	(at least 16 credits)	
6.						Dissertation research work II.	5	



					Scientific research VI.	(at least 16 credits)	
7.					Dissertation research work III.	5	
					Scientific research VII.	(at least 16 credits)	
8.					Dissertation research work IV.	5	
					Scientific research VIII.	(at least 16 credits)	
Total:		50 Credits	460 hours	144 hours	Scientific research = 140 credits Dissertation research = 20 credits Comprehensive examination = 20 credits	(at least 160 credits)	maximum 10 credits



COURSES OF THE DOCTORAL PROGRAMME
(Mandatory courses)

Code	Title	Contact classes		Credits
		Full-time	Part-time	
(MANDATORY COURSES)				
HHDIDAL01	Foundations of Military Science	30	10	3
HHDIDAL16	Classics of Military Science I.	30	10	3
HHDIDAL17	Social aspects of defence studies	30	10	3
HHDIDAL15	Foundations of scientific research I.	20	6	2
HHDIDAL	Foundations of scientific research II.	20	6	2
HHDIDAL04	Security Policy - Military Security	30	10	3
HHDIDAL22	Theory of military science I. (land);	30	10	3
HHDIDAL23	Theory of military science II. (air force)	30	10	3
HHDIDAL24	Classics of Military Science II.	30	10	3
HHDIDAL27	Military logistics and Medicine	20	6	2
HHDIDAL21	Defence Administration	20	6	2
HHDIDAL30	History of military science in Hungary	30	10	3
HHDIDAL09	Information operations	20	10	2
HHDIDAL25	National security	20	6	2
HHDIDAL32	War and Ethics	20	6	2
HHDIDAL33	Armed forces of the Great Powers and their application	20	6	2
HHDIDAL26	Research workshop	20	6	2
	Elective research seminar (each semester = 4)	20	6	2
Courses evaluated by the supervisor every semester (publications and other scientific research activities)				
HHDID0510	Scientific research I.	<i>(for credit details, see Appendix 1.)</i> total: 140 credits		
HHDID0520	Scientific research II.			
HHDID0530	Scientific research III.			
HHDID0540	Scientific research IV.			
HHDID0550	Scientific research V.			
HHDID0560	Scientific research VI.			
HHDID0570	Scientific research VII.			
HHDID0580	Scientific research VIII.			
Lectures evaluated by the Head of department				
HHDID0511	Teaching I.	1 credit for every 4 classes (maximum 10 credits)		
HHDID0521	Teaching II.			
HHDID0531	Teaching III.			
HHDID0541	Teaching IV.			
HHDID0551	Teaching V.			
HHDID0561	Teaching VI.			
HHDID0581	Teaching VIII.			
Courses evaluated by the leader of the research area				
HHDIDAL26	Research workshop	2 credits		
HHDID0610	Dissertation research work I.	5 credits		
HHDID0620	Dissertation research work II.	5 credits		
HHDID0630	Dissertation research work III.	5 credits		
HHDID0640	Dissertation research work IV.	5 credits		
Comprehensive examination		20 credits		



ELECTIVE RESEARCH SEMINAR COURSES
BY RESEARCH AREA

Neptun code	Title	Course responsible:
1. SECURITY STUDIES RESEARCH AREA Responsible: Dr. Zoltán Szenes, university professor, CSc		
HHDID1KO01	Security Theories	Dr. Zoltán Szenes
HHDID1KO01A	Security Theories (in English)	
HHDID1KO04	Global Security Challenges	Dr. Ferenc Kaiser
HHDID1KO04A	Global Security Challenges (in English)	
HHDID1KO05	Regional Security (Middle East)	Dr. Erzsébet N. Rózsa
HHDID1KO05A	Regional Security (Middle East) (in English)	
HHDID1KO06	Regional Security (Western Balkans, East-Central Europe)	Dr. Péter Tálás
HHDID1KO06A	Regional Security (Western Balkans, East-Central Europe) (in English)	
HHDID1KO07	Regional Security (Africa)	Dr. Viktor Marsai
HHDID1KO07A	Regional Security (Africa) (in English)	
HHDID1KO10	Regional Security (Latin America)	Dr. Mónika Szenté-Varga
HHDID1KO10A	Regional Security (Latin America) (in English)	
HHDID1KO09	International Security Organisations	Dr. Anna Molnár
HHDID1KO09A	International Security Organisations (in English)	
HHDID1KO12	Strategic Communication and Security	Dr. József Lajos Németh
HHDID1KO12A	Strategic Communication and Security (in English)	
HHDID1K003	Conflict and Crisis Management	Dr. István Gyarmati
HHDID1K003A	Conflict and Crisis Management	
HHDID1KSZ01	Terrorism and Security	Dr. Péter Tálás
HHDID1KSZ01A	Terrorism and Security	
HHDID1KSZ02	Terrorism and Security	Dr. Erzsébet N. Rózsa
HHDID1KSZ02A	Proliferation and Security	
HHDID1KSZ03	Defence Studies	Dr. Zoltán Szenes
HHDID1KSZ03A	Defence Studies (in English)	
HHDID1KSZ04	NATO Studies	Dr. Zoltán Szenes
HHDID1KSZ04A	NATO Studies (in English)	
HHDID1KSZ14	Foreign and Security Policy in Hungary (1990-)	Dr. Ferenc Gazdag
HHDID1KSZ14A	Foreign and Security Policy in Hungary (1990-) (in English)	
HHDID1KSZ09	Common Security and Defence Policy of the EU	Dr. Anna Molnár
HHDID1KSZ09A	Common Security and Defence Policy of the EU (in English)	
HHDID1KSZ10	International Institutions and European Security	Dr. Éva Remek
HHDID1KSZ10A	International Institutions and European Security	
HHDID1KSZ12	Security and Defence Policy of the United States	Dr. Ferenc Kaiser
HHDID1KSZ12A	Security and Defence Policy of the United States (in English)	
HHDID1KSZ13	Security and Defence Policy of Russia	Dr. László Nagy
HHDID1KSZ13A	Security and Defence Policy of Russia (in English)	
HHDID1KSZ14	Regional Security - Central Asia	Dr. Péter Wagner
HHDID1KSZ14A	Regional security - Central Asia (in English)	



HHID1KSZ17	Foreign and Security Policy in Germany (1990-)	Dr. András Hettyey
HHID1KSZ17A	Foreign and Security Policy in Germany (1990-) (in English)	
HHID2KSZ01	Analyzing the National and Ethnic Conflict Theories of István Bibó	Dr. Stefánia Bódi
HHID1KSZ18	Energy and Environmental Security	Dr. Zsolt Hetesi
HHID1KSZ18A	Energy and Environmental Security	

Neptun code	Title	Course responsible:
2. SOCIAL ASPECTS OF DEFENCE STUDIES		
RESEARCH AREA		
Responsible: Lt.col. Dr. Ildikó Szelei, PhD, associate professor		
HHID2KO05	Pedagogical Questions of Teaching Adults	Dr. Ildikó Szelei
HHID2KO06	Challenges of Intercultural Education in the 21st Century	Dr. Ildikó Szelei
HHID2KO09	Special Military Values and the Methodology of Military Preparation and Training	Dr. Dénes Harai
HHID2KO14	Applied Military Psychology	Dr. Judit Bolgár
HHID2KO15	Psychological Consequences and Questions of Special Situations	Dr. Judit Bolgár
HHID2KO17	Human Resource Planning and Development	Dr. Zoltán László Kiss
HHID2KO18	Performance Evaluation, Performance Management	Dr. Zoltán László Kiss
HHID2KO19	Management of Change in Public Sector	Dr. János Krizbai
HHID2KO20	HR (Human Resource) Controlling	Dr. János Krizbai
HHID2KO22	Psychology of Religious Extremism, its Formation and Activities in Western Democratic Societies	Dr. Lóránd Ujházi
HHID2KO22A	Psychology of Religious Extremism, its Formation and Activities in Western Democratic Societies (in English)	
HHID2KO23	The Vatican's Diplomacy for the Protection of the Christians Living in Crisis Zones	Dr. Lóránd Ujházi
HHID2KO23A	The Vatican's Diplomacy for the Protection of the Christians Living in Crisis Zones	
HHID2KO24	Abusive Behaviour in an Organizational Environment, with Particular Reference to the Armed Forces and Law Enforcement Personnel	Dr. Mária Kanyó
HHID2KO25	Social and Organizational Mobility	Dr. Mária Kanyó
HHID2KO30	Leadership Aspects of Crisis Response Operations	Dr. László Ujházy
HHID2KO30A	Leadership Aspects of Crisis Response Operations (in English)	
HHID2KO33	Philosophy of War	Dr. Mihály Boda
HHID2KSZ36	Philosophy in Public Service	Dr. Mihály Boda
HHID2KSZ37	Military Ethics	Dr. Mihály Boda
HHID2KSZ06	Psychological Aspects of Military Socialisation	Dr. Judit Bolgár
HHID2KSZ07	Selection, Preparation, and Evaluation on Psychical Basis	Dr. Judit Bolgár
HHID2KSZ08	Applied Social Sciences Aspect of Crisis Response Operations	Dr. Zoltán László Kiss
HHID2KSZ09	Characteristics of the Cultural Organisational Changes in the Defence Sectors of NATO and EU Member States	Dr. Zoltán László Kiss
HHID2KSZ12	Psychology of Religious Extremism, its Formation and Activities in Western Democratic Societies	Dr. Lóránd Ujházi
HHID2KSZ12A	Psychology of Religious Extremism, its Formation and Activities in Western Democratic Societies (in English)	
HHID2KSZ14	The Security Situation of Christians in Crisis Areas	Dr. Lóránd Ujházi
HHID2KSZ14A	The Security Situation of Christians in Crisis Areas (in English)	
HHID2KSZ34	Organizational Roles and Conflicts	Dr. Mária Kanyó



HHDID2KSZ17	Comparative Pedagogy (comparing training and education systems in the military education of Hungary and the EU)	Dr. Ildikó Szelei
HHDID2KSZ18	Military Pedagogy	Dr. Ildikó Szelei
HHDID2KSZ29	Role of International Religious Organisations and Humanitarian Organisations in Peace Operations	Dr. Vilmos Fischl
HHDID2KSZ31	Propaganda Analysis	Dr. Éva Harnus Jakusné

Neptun code	Title	Course responsible:
3. THE GENERAL THEORY OF MILITARY SCIENCE Responsible: Maj. Dr. Balázs Forgács PhD, associate professor		
HHDID3KO01	Characteristics of Asymmetric Warfare and Terrorism in the 21st Century	Dr. István Resperger
HHDID3KO02	Challenges, Risks, Threats and their Management	Dr. István Resperger
HHDID3KO04	Operational Environment	Dr. Gábor Boldizsár
HHDID3KO04A	Operational Environment (in English)	
HHDID3KO05	Civil-Military Interaction	Dr. Gábor Boldizsár
HHDID3KO05A	Civil-Military Interaction (in English)	
HHDID3KO06	Asymmetric Warfare 1.	Dr. Bálint Somkuti
HHDID3KO07	Asymmetric Warfare 2.	Dr. Álmos Péter Kiss
HHDID3KO08	National Security Strategy of the USA, and its Influence on Military Development	Dr. Ferenc Kaiser
HHDID3KO09	History of Naval Strategy Development – Theory and Practice	Dr. Ferenc Kaiser
HHDID3KO11	Theory and Practice of Waging War	Dr. György Szternák
HHDID3KO15	Theory of Counterinsurgency I.	Dr. Zoltán Jobbágy
HHDID3KO15A	Theory of Counterinsurgency I. (in English)	
HHDID3KO17	Military Geography of Hungary	Dr. Miklós Mihály Nagy
HHDID3KO18	Modern Warfare – Is it Science and/or Art?	Dr. István Gócze
HHDID3KO19	Insurgency Theories	Dr. Balázs Forgács
HHDID3KO20	Potential Directions of the Development of Military Science – Responses to Global Challenges	Dr. István Gócze
HHDID3KO21	Strategic Thinking in the Military	Dr. István Gócze
HHDID3KSZ01	Characteristics of Asymmetric Warfare and Terrorism in the 21st Century	Dr. István Resperger
HHDID3KSZ02	Challenges, Risks, Threats and their Management	Dr. István Resperger
HHDID3KSZ04	Causes and Treatment of Future Social Conflicts, Particularly the Use of Military Force	Dr. Gábor Boldizsár
HHDID3KSZ04A	Causes and Treatment of Future Social Conflicts, Particularly the Use of Military Force. (in English)	
HHDID3KSZ05	Specifics of Command and Control in Today's Military Operations	Dr. Gábor Boldizsár
HHDID3KSZ05A	Specifics of Command and Control in Today's Military Operations (in English)	
HHDID3KSZ06	Foundation of the Naval Warfare Theory	Dr. Ferenc Kaiser
HHDID3KSZ07	Potential Directions of the Development of Military Science – Responses to Global Challenges	Dr. István Gócze
HHDID3KSZ08	Evolution, Characteristics, and Representatives of Military Cultures and their Role in Modern Warfare	Dr. Balázs Forgács
HHDID3KSZ14	Research Methodology of Military Science	Dr. István Gócze
HHDID3KSZ13	Hungarian Military Travellers and Country Images	Dr. Miklós Mihály Nagy

Neptun code	Title	Course responsible:
4. THEORIES OF MILITARY SCIENCE RESEARCH AREA		



Responsible: Dr. Zoltán Krajnc university professor		
HHDID5KO01	International Military Science and Military History	Dr. Tamás Csikány
HHDID5KO02	Hungarian Military Science in the 19th century	Dr. Tamás Csikány
HHDID3KO16	Theory of Allied Joint Operations	Dr. Zoltán Jobbágy
HHDID3KO16A	Theory of Allied Joint Operations (in English)	
HHDID5KO05	History of the Hungarian Air Force since its Foundation	Dr. Miklós M. Szabó
HHDID5KO06	International Military Science and Military History in the 20th Century	Dr. Csaba Horváth
HHDID5KO07	Hungarian Military Science and Military History in the 20th Century	Dr. Csaba Horváth
HHDID5KO29	Current Challenges of Engineer Support	Dr. Tibor Horváth
HHDID5KO29A	Current Challenges of Engineer Support (in English)	
HHDID5KO30	Defence of Hardened Facilities	Dr. Tibor Horváth
HHDID5KO30A	Design and Analysis of Hardened Facilities (in English)	
HHDID5KO08	Hungarian Military Policy in the 20th Century	Dr. József Kaló
HHDID5KO09	History of Military Science from World War I to the End of the Cold War	Dr. József Kaló
HHDID5KO10	History of Navies and Naval Operations	Dr. Ferenc Kaiser
HHDID5KO14	Theory of Military Geographic Support	Dr. Klára Siposné Kecskeméthy
HHDID5KO14A	Theory of Military Geographic Support (in English)	
HHDID5KO15	Theory of Geographic Information Support	Dr. Klára Siposné Kecskeméthy
HHDID5KO15A	Theory of Geographic Information Support (in English)	
HHDID5KO16	Theory and Practice of Ground Based Air Defence	Dr. Zoltán Krajnc
HHDID5KO17	Theory and Practice of Air Operations	Dr. Zoltán Krajnc
HHDID5KO17A	Theory and Practice of Air Operations (in English)	
HHDID5KO20	Engineering Tasks of Military Camp Defence	Dr. Tibor Kovács
HHDID5KO21	„Force Protection” as a Complex Regulatory System for Troop Protection	Dr. Tibor Kovács
HHDID5KO22	The Military Strategy of Russia; Its Military Policy, Strategies, Forces, and Wars	Dr. János Deák
HHDID5KO23	The Use, Impact, and Efficiency of Explosive Materials and Warfare Agents	Dr. László Molnár
HHDID5KO24	General Theory and Practice of Engineer Support	Dr. Zoltán Kovács
HHDID5KO25	Theory of Unit NBC Defence	Dr. Tamás Berek
HHDID5KO26	NBC-survey in the Hungarian Defence Forces	Dr. Tamás Berek
HHDID5KO27	NBC Decontamination Operations	Dr. László Földi
HHDID5KO28	Characteristics of Today’s Armed Conflicts	Dr. József Lajos Németh
HHDID5KSZ01	Hungarian Military High Command Between 1848-1990	Dr. Tamás Csikány
HHDID5KSZ02	General Staff Work during the Hungarian Revolution of 1848-49	Dr. Tamás Csikány
HHDID5KSZ03	History of Hungarian Military Thinking	Dr. Miklós M. Szabó
HHDID5KSZ04	Development of Hungarian Officer Values and the History of Officer Training from 1914 to Date	Dr. Miklós M. Szabó
HHDID5KSZ05	History of the Hungarian Officer Values and the History of Officer Training	Dr. Tamás Csikány



HHDID5KSZ06	International Military History of the Cold War Era	Dr. Ferenc Kaiser
HHDID5KSZ07	History of Military Jurisdiction	Dr. József Kaló
HHDID5KSZ08	Central Organisations of the Hungarian Military from the Beginning to Date	Dr. József Kaló
HHDID5KSZ09	Defence Geographical Assessment of Strategically Important Regions to NATO	Dr. Klára Siposné Kecskeméthy
HHDID5KSZ09A	Defence Geographical Assessment of Strategically Important Regions to NATO (in English)	
HHDID5KSZ10	Security Geography Assessment of Crisis Regions	Dr. Klára Siposné Kecskeméthy
HHDID5KSZ10A	Security Geography Assessment of Crises Regions (in English)	
HHDID5KSZ11	Services, Corps and Units in 20th-century Wars	Dr. Csaba Horváth
HHDID5KSZ12	The Royal Hungarian Armed Forces between 1919 and 1945	Dr. Csaba Horváth
HHDID5KSZ16	Modern Technical Devices and Warfare Agents	Dr. Zoltán Kovács
HHDID5KSZ30	Engineer Support of Military Operations	Dr. Zoltán Kovács
HHDID5KSZ18	New Technical Equipment for “Force Protection” tasks, its Application Principles and Opportunities	Dr. Tibor Kovács
HHDID5KSZ20	Necessity and Content of Military Geographic Assessment and their Preparation	Dr. István Gőcze
HHDID5KSZ22	Current Challenges of Joint Forces Employment	Dr. Zoltán Krajnc
HHDID5KSZ22A	Current Challenges of Joint Forces Employment (in English)	
HHDID5KSZ23	Current Challenges of Air Power Employment	Dr. Zoltán Krajnc
HHDID5KSZ23A	Current Challenges of Air Power Employment (in English)	
HHDID5KSZ24	Tools of NBC-reconnaissance in the Hungarian Defence Forces	Dr. László Földi
HHDID5KSZ25	Individual and collective NBC-Defence	Dr. László Földi
HHDID5KSZ26	NBC Training of Troops	Dr. Tamás Berek
HHDID5KSZ27	NBC-Weapons and Dangerous Industrial Materials	Dr. Tamás Berek
HHDID5KSZ29	Theory of Allied Land Operations	Dr. Zoltán Jobbágy
HHDID5KSZ29A	Theory of Allied Land Operations (in English)	

Neptun code	Title	Course responsible:
DEFENCE LOGISTICS AND DEFENCE ECONOMY RESEARCH AREA		
Responsible: Dr. Andrea Pap associate professor, PhD		
HHDID6KO01	Defence Economics	Dr. László Király
HHDID6KO03	Military Healthcare	Dr. Gyula Kóródi
HHDID6KO04	Disaster Healthcare	Dr. Gyula Kóródi
HHDID6KO08	Contractor Logistics	Dr. Péter Lakatos
HHDID6KO09	Doctrinal Questions of Military logistics support	Dr. Attila Horváth
HHDID6KO10	Logistical and Transportation Aspects of Asymmetric Warfare and Terrorism	Dr. Attila Horváth
HHDID5KSZ34	Defence Resources	Dr. Balázs Taksás
HHDID6KO12	Organisation of Operations Transportation Support	Dr. Gábor Szászi
HHDID6KO13	Theory and Practice of Medical Support	Dr. László Svéd
HHDID6KO14	Multi-aspect Decision Models and their Use	Dr. József Gyarmati
HHDID6KO15	Logistic Support of Military Operations	Dr. Árpád Pohl
HHDID6KO16	Practice of Medical Support for Multinational Expeditionary Operations	Dr. Sándor Pellek



HHID4KO01	Unified Defence System of Hungary, its Complexity, and a New Interpretation of its Content	Dr. Júlia Hornyacsek
HHID4KO02	Position, Designation, and Mission of Defence Organisations in the Structure of Defence Administration	Dr. Júlia Hornyacsek
HHID4KO03	Interrelations between Public Administration and Defence Administration	Dr. László Lakatos
HHID4KO04	Public and Defence Administration Studies	Dr. László Lakatos
HHID4KO06	Civil Emergency Planning in the NATO	Dr. László Ujházy
HHID4KO06A	Civil Emergency Planning in the NATO (in English)	
HHID4KO07	Transport Administration Tasks in the System of Defence Administration	Dr. Gábor Szászi
HHID4KO08	Disaster Management System in Hungary	Dr. Rezső Pellérdi
HHID6KSZ04	Sustainability Aspect of Operational Supply Chain Management	Dr. Péter Lakatos
HHID6KSZ05	Transportation and Logistic Evaluation on the Theatre	Dr. Attila Horváth
HHID6KSZ06	Military Applications of Combined Transportation Technologies	Dr. Gábor Szászi
HHID6KSZ07	History of Hungarian Military Medicine	Dr. László Svéd
HHID6KSZ08	Protocol of Mass Casualty Situations	Dr. László Svéd
HHID6KSZ09	Logistic System of Disaster Management – material, financial and personal support	Prof. Dr. Rudolf Urbán (Czech Republic)
HHID6KSZ09A	Logistic System of Disaster Management – material, financial and personal support (in English)	
HHID4KSZ01	Special Legal Order, States of Emergency	Dr. László Lakatos
HHID4KSZ02	Public Administration Organisations in State of Emergency	Dr. László Lakatos
HHID4KSZ06	Social Organisations and Defence Administration	Dr. László Ujházy
HHID4KSZ07	Practice of the Preparation and Operation of Transportation System in Defence Administration	Dr. Gábor Szászi

Neptun code	Title	Course responsible:
NATIONAL SECURITY RESEARCH FIELD		
Responsible: Col. Dr. István Resperger, university professor, PhD		
HHID7KO03	National Security Aspect of Challenges, Risks, Threats and their Management until 2030	Dr. István Resperger
HHID7KO04	Characteristics and National Security Impacts of Asymmetric Warfare and Terrorism in the 21st Century	Dr. István Resperger
HHID7KO46	National Security Challenges of Jihadisation and Radicalisation	Dr. József Kis-Benedek, Dr. István Resperger
HHID7KO06	Theoretical and Practical Challenges of the International Cooperation between National Security Services	Dr. József Kis-Benedek
HHID7KO07	Theory and Practice of Strategic	Dr. József Kis-Benedek
HHID7KO09	Theory and Practice of Analysis-Evaluation Work	Dr. Csaba Vida
HHID7KO14	Impact of Crises on Intelligence and National Security Services	Dr. Zsigmond Tömösváry
HHID7KO47	National Security Aspects of Migration	Dr. István Resperger, Dr. Tamás Kenedli
HHID7KO37	National Security Aspects of Military and Law-enforcement Activities during Crisis Periods and in Crisis Areas	Dr. Tibor Szilágyi



HHID7KO40	Strategic Analysis of the Hungarian National Security System	Dr. József Boda
HHID7KO41	Technical Support of Secret Information Collection for National Security and Law-enforcement Agencies	Dr. József Boda
HHID7KSZ02	National Security Aspect of Challenges, Risks, Threats and their Management until 2030	Dr. István Resperger
HHID7KSZ03	Characteristics and National Security Impacts of Asymmetric Warfare and Terrorism	Dr. István Resperger
HHID7KSZ32	National Security Aspects of Migration	Dr. István Resperger, Dr. Tamás Kenedli
HHID7KSZ05	National Security Aspects of Terrorism, with Special Regard to Risk Assessment	Dr. József Kis-Benedek
HHID7KSZ06	Evaluation of Central European Regional Security Systems and Analysis of the Central European States	Dr. Csaba Vida
HHID7KSZ29	Theory and Practice of Strategic Intelligence	Dr. József Kis-Benedek

Neptun code	Title	Course responsible:
7. THEORY OF DEFENCE IT AND COMMUNICATION RESEARCH AREA		
Responsible: Dr. Károly Fekete, university professor, PhD		
HHID8KO01	Analog and Digital Communication Systems	Dr. Károly Fekete
HHID8KO02	Information Security of Public Organisations	Dr. András Kerti
HHID8KO04	Electronic Warfare Support to Military Operations	Dr. Zsolt Haig
HHID8KO05	Signal Support to the Crisis Response Operations of the Hungarian Defence Forces	Dr. Tibor Farkas
HHID8KO06	Info-Communication Support to Multinational Operations	Dr. Tibor Farkas
HHID8KO07	Electronic Reconnaissance and Support	Dr. László Kovács
HHID8KO08	All-Source Intelligence	Dr. László Kovács
HHID8KO10	IT Systems in the Field, Police, Disaster Management, and Public Administration (e-government)	Dr. Imre Négyesi
HHID8KO11	Digitisation of the Battlefield	Dr. Károly Fekete
HHID8KO13	Electronic Warfare	Dr. Zsolt Haig
HHID8KSZ01	Examination of High Speed Military Communication Systems	Dr. Károly Fekete
HHID8KSZ02	Information Security Risk Assessment	Dr. András Kerti
HHID8KSZ03	Electronic Warfare Support to Non-Military Operations	Prof. Dr. Zsolt Haig
HHID8KSZ04	Integrated Military Communication Systems	Dr. Károly Fekete
HHID8KSZ05	Challenges of Information Operations Management	Dr. Zsolt Haig
HHID8KSZ07	Military Decision-making Process in Organising CIS	Dr. Tibor Farkas
HHID8KSZ09	Theory of Defence IT Systems and Their Application	Dr. Sándor Munk
HHID8KSZ10	IT Systems in the Field, Police, Disaster Management, and Public Administration (e-government)	Dr. Imre Négyesi
HHID8KSZ11	Modern Military Information Systems	Dr. László Kovács
HHID8KSZ12	Cyber Warfare	Dr. László Kovács
HHID8KSZ13	Theory of Organising Communication Systems	Dr. Tibor Farkas



Appendix 1.

CREDITS TO OBTAIN FOR SCIENTIFIC ACTIVITIES

(for 100% contribution)

Scientific activities		Credit
Book, course book, textbook	Book published in Hungary	32
	Chapter in a book published in Hungary	20
	Scientific study in a book	20
	Printed or electronic course book in foreign language	24
	Printed or electronic course book in the native language of the PhD student	20
	Teaching material based on scientific research	12
Peer-reviewed article in a journal	Article published abroad in foreign language	24
	Article published in Hungary in foreign language	20
	Article published in a journal in the native language of the PhD student	16
Non-Peer-reviewed article in a journal	Article published abroad in foreign language	16
	Article published in Hungary in foreign language	12
	Article published in a journal or an electronic site in the native language of the PhD student	10
Participation in international scientific conference (in foreign language)	Publication of the presentation in a peer-reviewed, foreign language proceeding	24
	Publication of the presentation in a non-peer-reviewed, foreign language proceeding	16
	Publication of the presentation in a foreign language proceeding	14
	Foreign language presentation	6
	Poster in foreign language	6
	Complementary lecture in foreign language, submitted in writing and published in conference proceedings	4
Participation in national scientific conference	Publication of the foreign language presentation in a foreign language proceeding	12
	Publication of a contribution in native language in conference proceedings	10
	Publication of native language presentation in conference proceeding	8
	Foreign language presentation	4
	Poster in foreign language	4
	Presentation in native language	2
	Poster in native language	2
	Complementary lecture in native language, submitted in writing and published in conference proceedings	2
Scientific tenders	Participation in international scientific conference (in foreign language)	12
	Participation in national scientific conference	10
	Participation in university-level scientific conference	6
Patent, invention	Patent registered abroad	30



	Patent or invention registered in Hungary	20
	Doctoral draft dissertation prepared for preliminary defence during the training programme	30

Note: In case of co-authorship, the number of credits is to be determined in accordance with the co-author declaration and confirmation.

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Budapest, 20 July 2019.

Dr. József Padányi Eng. Major
General
university professor, DSc
Head of the DSMS

