

**DOCTORAL SCHOOL OF
MILITARY SCIENCES
CURRICULUM**

(only for training in English language)

1. THE RESEARCH FIELD, TRAINING GOAL AND FORMS OF THE DOCTORAL SCHOOL OF MILITARY SCIENCES (English: DSMS¹, Hungarian: HDI)

- a.) **The research area of the school:** the research of the matters regarding the activities in connection with the defence and public administration spheres relating military science.
- b.) **The aim of the training:** to prepare doctoral candidate students for the acquisition of the PhD degree level who are preparing through organized education or in individual preparation, in any research area of the science field 'Military Sciences'.
- c.) **The military science doctoral training is based on the following accredited academic specialisations:**
(Hungarian Accreditation Committee decree number):

– military operational logistical	(2012/9/VI/11);
– defence administrative	(2005/8/IV/4);
– security and defence political	(2005/8/IV/6);
– national security	(2005/8/IV/7);
– military police leadership	
– military leadership	(2005/8/IV/8);
– military operational	(2012/9/VI/13);

Based on these criteria the school accepts, firstly, those students who have obtained a diploma in one of the above mentioned academic specialisations. According to the law of the higher education every candidate can be accepted who qualifies by their scientific background and their research area topic belonging to the area of military sciences – and obtained a diploma in another institute.

- d.) **The training forms of the doctoral school:**
- Organized education
 - full time day training (with a scholarship or self-funded);
 - part time (correspondence) training (self-funded);
 - individual training (self-funded).
 - Individual preparation
- e.) **The language of the training** is usually Hungarian, but it can undergo in other languages as well – mostly in English.

2. CREDIT ALLOCATION, THE REQUIREMENTS OF THE TRAINING

a) *General training requirements:*

¹ Hereinafter DSMS is used

- in the organized education to obtain the pre-degree certificate 180 credits are obligatory to acquire until the end of the 6. semester in correlation with the following:
 - scholastic obligations minimum 50 credits;
 - scientific research minimum 120 credits;
 - lecture holding (teaching) maximum 10 credits.
- during the training in the six semesters 30 (minimum 21) credits are obligatory to acquire per semester on average;
- these requirements of the training are the same for the full time day training (with a scholarship) and the part time students, whereas for the students participating in the individual training can acquire the 180 credits freely according to their own plan.

b) The requirements of the fulfilling of the scholastic obligations:

- In the scholastic field, every doctoral candidate student who is participating in the organized education, has to take up or choose subjects worth 50 credits in the following order²:
- In the semesters 1-4., for every doctoral candidate student it is obligatory to take up the subjects determined per school year by the doctoral school council³:
- In the semesters 1-2., connected to the topic of the research if possible, it is obligatory to take up 1-1 optional (endterm) examinational subjects per semester worth 3-3 credits per subject.⁴
- In the semesters 3-4., connected to the topic of the research if possible, it is obligatory to take up 1-1 optional research seminars per semester worth 2-2 credits (the research seminars are closed with a practical course grade).
- The purpose of the research seminar is for the student to acquire a deeper knowledge in the field chosen by the student – connected to the topic of their research. It is for the student to find, investigate and process the corresponding specialized literature, to be able to form a personal opinion and to synthesize. The seminar is evaluated and graded by the instructor who had announced it. The grade is written into the credit book as a practical course grade.⁵
- the rules mentioned in the last two points above are compulsory for the students in the individual training as well.

² Modified by the decision of the DSMS on 27, March 2014

³ Modified by the decision of the DSMS on 27, March 2014

⁴ Modified by the decision of the DSMS on 27, March 2014

⁵ Modified by the decision of the DSMS on 27, March 2014

- apart from the above mentioned, further (endterm) examinational subjects, as well as research seminars can be taken up (preferably in the first four semesters), but the sum of the credits cannot exceed 198 credits at the end of the training.

c) The requirements of the fulfilling of the scientific research:

- to fulfil the requirements of the scientific research in every semester a subject belonging to the given semester named 'Scientific research' has to be taken up. In the first semester 9, in the following semesters min. 12 credits have to be acquired with the scientific research activity, so that a candidate has to have at least 120 credits by the end of the training;
- the credits can be acquired by the activities listed under 6.;
- the same publication or scientific activity can be used for credits only once during the whole time of the training;
- a professional publication can be used only if its length is min 0,3 sheet. An exception to this is the poster and the correferatum published in the publication of the scientific conference, which can be shorter;
- the rules for using the publication in a given semester:
 - the handed in, but not yet received a referee's report publication, or if the editor asks for a significant revision which has not been done yet – qualifies as a foul proof article;
 - the handed in, but not yet published publication has to be attached with an authentic editorial accepting declaration;
 - the publication which was written as a co-author has to be attached with the co-authorial declaration which states the proportion of the participation. The acquired credits should be calculated in a way that the fractions have to be rounded, using the general rules of rounding, to a full point. An exception to this is the half point which should be rounded up to a full point;
 - for the publication already published, or in the publishing, in a given semester, one has to hand in the material published in the press, photocopied, or in case of an online publication, the downloaded material, to acquire the credits worth it. In case the study has not been published yet, it has to be handed in to the secretary of the Doctoral School by the last day of the examination period of the next semester.
- it is compulsory that the doctoral candidate publishes at least four Hungarian and a foreign language studies, publications, or articles in a peer-reviewed magazine during the training, which reflects their own scientific research results;
- to acquire the leaving certificate 15 publication points are needed.
- the lecture holding (teaching) are an optional – and not compulsory – credit acquiring possibility;

- the doctoral candidate who has a position as a lecturer cannot obtain credits for the classes held in their own university;
- with the lecture holding – except for the candidates in the individual training – credits can only be obtained from the 3. semester;
- the doctoral candidate who wishes to obtain credits by teaching has to take up the subject named 'Teaching' which can be found outside of the subjects of the research fields. The Roman number following the subject means in which semester can the subject be taken up;
- the lecture itself can be held only in the topic of the candidate's research – or in one that is related to it - with the approval of the head of department competent in the subject of the class;
- 1 credit can be acquired for the teaching of 4 classes;
- with the lecture holding max. 5 credits can be acquired in a given semester, for the whole training it is 10 credits in total;
- the holding of the lecture holding is certified by the head of department competent in the subject (leader of the research area).

d) The regulations in 'c' do not apply to the candidates in the individual training, because they already possess the minimum requirements of the scientific research at their admission according to the regulations of the Doctoral Regulations. In spite of this they are able to publish during the course of the training, which will be taken into account for them at the point of the handing in of the full training material (within two years from their admission).

The detailed requirements for the training – as well as for the individual training candidates' admission and degree obtaining – are included in the DSMS Doctoral Scholastic and Examination Regulations and in the University Doctoral Regulations.

3. THE STRUCTURE OF THE DSMS TRAINING⁶

Semester	Scholastic obligation		Scientific research		Teaching (1 credit per 4 classes, max. 10 credits can be acquired, optional, not compulsory)
	The name of the subject	Type of exam/credit value	The name of the subject	Credit value/12 credits per semester	
1. semester	The basics of military science	End term exam =3 cr.	Scientific research I.		-
	The classics of military science	End term exam =3 cr.			
	The history of military art	End term exam =3cr.			
	The methodology of the scientific research I.	Practical course grade =2 credits			
	Optionally chosen research studium	End term exam =3 cr.			
2. semester	Security politics – military security	End term exam =3 cr.	Scientific research II.		-
	Military science – military art I.	End term exam =3 cr.			
	Military science – military art II.	End term exam =3 cr.			
	The methodology of the scientific research II.	Practical course grade =2 credits			
	Optionally chosen research studium	End term exam =3 cr.			
3. semester	Logistics – military-healthcare	End term exam =3 cr.	Scientific research III.		Teaching I.
	Defence administration – disaster protection	End term exam =3 cr.			
	Information operations	End term exam =3 cr.			
	Research seminar	Practical course grade =2 credits			
4. semester	Critical infrastructure	End term exam =3 cr.	Scientific research IV.		Teaching II.
	Law enforcement - national security	End term exam =3 cr.			
	Defence-political studies	End term exam =3 cr.			
	Research seminar	Practical course grade =2 credits			
5. semester	-		Scientific research V.		Teaching III.
6. semester	-		Scientific research VI.		Teaching IV.

⁶ Modified by the decision of the DSMS on 27, March 2014

4. THE SUBJECTS OF THE TRAINING

Code	The name of the subject	Contact class number		Credit value
		Day	Correspondence	
HHDID0000	COMPULSORY SUBJECTS⁷			
HHDIDAL01	The basics of military science	30	10	3
HHDIDAL02	The classics of military science	30	10	3
HHDIDAL03	The history of military art	30	10	3
HHDIDAL04	Security politics – military security	30	10	3
HHDIDAL05	Military science – military art I.	30	10	3
HHDIDAL06	Military science – military art II.	30	10	3
HHDIDAL07	Logistics – military-healthcare	30	10	3
HHDIDAL08	Defence administration – disaster protection	30	10	3
HHDIDAL09	Information procedures	30	10	3
HHDIDAL10	Critical infrastructure	30	10	3
HHDIDAL11	Law enforcement – national security	30	10	3
HHDIDAL12	Defence-political studies	30	10	3
HHDIDAL13	The methodology of scientific research I.	20	6	2
HHDIDAL14	The methodology of scientific research II.	20	6	2
Subjects evaluated by the consultant in every semester (publications' and other scientific activities' settlement)				
HHDID0510	Scientific research I.	<i>a minimum of 12 credits need to be acquired, depending on the scientific activity (the credit values are shown in appendix 1.)</i>		
HHDID0520	Scientific research II.			
HHDID0530	Scientific research III.			
HHDID0540	Scientific research IV.			
HHDID0550	Scientific research V.			
HHDID0560	Scientific research VI.			
Lecture holding evaluated by the consultant				
HHDID0511	Teaching I.	<i>4 classes = 1 credit (Teaching I-II. can only be chosen by the individual training candidates, while Teaching III-VI. is for all training types)</i>		
HHDID0521	Teaching II.			
HHDID0531	Teaching III.			
HHDID0541	Teaching IV.			
HHDID0551	Teaching V.			
HHDID0561	Teaching VI.			
Subjects for preliminary credit settlements				
HHDID0102	Transferred subject (foreign language)	<i>max. 4 credits</i>		
HHDID0103	Transferred subject (Hungarian)	<i>max. 3 credits</i>		
HHDID0104	Preliminary settled subject(s)	<i>max. 7 credits</i>		

⁷ Modified by the decision of the DSMS on 27, March 2014

**THE SUBJECTS OF THE OPTIONALLY CHOSEN RESEARCH STUDIUM
PER SCIENTIFIC FIELDS:**

Code	The name of the subjects	Name of the consultant
HHDID1000	SECURITY STUDIES LEADER OF THE RESEARCH FIELD: Prof. Dr. Zoltán Szenes university professor, CSc	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID1KO03	Security theories	Prof. Dr. Zoltán Szenes
HHDID1KSZ05	The EU's Common Foreign and Security Policy	Dr. Anna Molnár
RESEARCH SEMINAARS		
HHDID1KSZ06	Italian security- and defence-politics	Dr. Anna Molnár

Code	The name of the subjects	Name of the consultant
HHDID2000	SOCIOLOGICAL ISSUES OF DEFENCE LEADER OF THE RESEARCH FIELD: Major Dr. habil. Ildikó Szelei, university associate professor, PhD	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID2KO17	Human resource planning and development	Prof. Dr. Zoltán László Kiss
HHDID2KO20	HR (human resources) controlling	Dr. habil. János Krizbai
HHDID2KO30	The Leadership Aspects of Crisis Response Operations	Dr. László Ujházy

Code	Name of the subjects	Name of the consultant
HHDID5000	THE THEORY OF MILITARY ART LEADER OF THE RESEARCH FIELD: LtCOL Dr. habil. Zoltán Krajnc university associate professor PhD	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID5KO15A	The theory of geo-informational support	Klára Siposné Prof. Dr. Kecskeméthy
HHDID5KO17A	The theory and practice of aerial operations	Dr. habil. Zoltán Krajnc

Code	The name of the subjects	Name of the consultant
HHDID3000	THE THEORY OF MILITARY SCIENCE LEADER OF THE RESEARCH FIELD: Colonel Dr. István Resperger, university associate professor PhD	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID3KO04A	Operational environment	Dr. Gábor Boldizsár
HHDID3KO05A	Civil-military interaction	Dr. Gábor Boldizsár
HHDID3KO15A	Theory of Counterinsurgency I.	Dr. Jobbágy Zoltán
HHDID3KO16A	Theory of Allied Joint Operations	Dr. Jobbágy Zoltán
RESEARCH SEMINARS		
HHDID3KSZ04A	The Causes and Treatment of Future Social Conflicts, Particularly the Use of Military Force	Dr. Gábor Boldizsár
HHDID3KSZ11A	Theory of Allied Land Operations	Dr. Jobbágy Zoltán
HHDID3KSZ12A	The specifics of command and control in today's operations	Dr. Gábor Boldizsár

Code	The name of the subject	Name of the consultant
HHDID4000	THE THEORY OF DEFENCE MANAGEMENT LEADER OF THE RESEARCH FIELD: MAJOR DR. JÚLIA HORNACSEK, UNIVERSITY ASSOCIATE PROFESSOR, PHD	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID4KO03A	The network of the public administration and the defence administration	Dr. habil. László Lakatos
HHDID4KO04A	Public and defence administration as subjects	Dr. habil. László Lakatos

Code	Name of the subjects	Name of the consultant
HHDID8000	THE THEORY OF DEFENCE INFORMATICS AND COMMUNICATION LEADER OF THE RESEARCH FIELD: LtCOL Dr. Károly Fekete university associate professor, PhD	
ENDTERM EXAMINATIONAL SUBJECTS		
HHDID8KO08A	All Source Intelligence	Prof. Dr. László Kovács

HHDID8KO13A	Electronic warfare	
HHDID8KO14A	The Leadership Questions of Information Operations	Prof. Dr. Zsolt Haig
RESEARCH SEMINARS		
HHDID8KSZ12A	Cyber warfare	Prof. Dr. László Kovács

5. THE SYSTEM OF CHECKING THE KNOWLEDGE

- The form of the checking of the knowledge connected to each subject is recorded in the Model Curriculum, the subject-matter requirement is recorded in the Subject Programs;
- the checking of the knowledge can be done in the following forms;
 - a.) for the academic obligations:
 - the endterm examination (K) with a five step rating;
 - mid-year evaluation with a five step rating;
 - the practical course grade (GYJ) with a five step rating;
 - b.) In the field of scientific research and teaching:
 - fulfilling the requirements of the taken subject happens with a five step rating.
- the grade acquired at an exam is determined and signed in the credit book by the examination board at a comprehensive examination, by the leading examiner instructor at an endterm examination, a mid-year evaluation and a practical course grade, by the topic consultant at the 'Scientific Research' subjects, by the responsible head of department (or the leading instructor appointed by them) at the 'Teaching' subjects;
- for the repetition of unsuccessful exams or the correction of a successful exam actions are set in the National University of Public Service (NUPS) Studies and Exams Code.

6. CLOSING OF THE TRAINING (THE REQUIREMENTS OF THE ACQUISITION OF THE LEAVING CERTIFICATE)

- The leaving certificate (absolatory) confirms, and certifies without classification and evaluation, that the doctoral candidate has fulfilled all the training requirements set for them, namely the academic obligations defined in the curriculum, fulfilling the requirements of the scientific research and the lecture holding (teaching) – if the candidate has chosen them, the successful passing of the compulsory exams with the exception of the language exam, and acquiring the compulsory 180 credits;
- a leaving certificate (absolatory) does not have to be issued for an individual training candidate;
- after successfully closing the 6. semester – if all the requirements for issuing the leaving certificate (absolatory) are present – the leaving certificate (absolatory) will be issued by

the doctoral school. The student will only receive this if they hand in the their and their consultant's 3-year-long summary report for the school;

- the requirements of the completion of the leaving certificate (absolatory) are the publications published during the training period, from which one has to be in a foreign language and four in Hungarian, as well as the possession of 15 publication;
- the three-year-long training period – with the exception of the individual training candidate – cannot be shortened; the leaving certificate (absolatory) cannot be issued earlier. However, the workshop can be held in the last year of the training, and the classification awarding procedure can be started in align with the rules set in the Doctoral Regulations;
- before the closing of the training period (the completion of the leaving certificate (absolatory)) the PhD comprehensive examination cannot be taken, it is the part of the doctoral classification procedure;
- the leaving certificate (absolatory) is signed by the doctoral candidate, in their credit book the head of the doctoral school, if the student presents the photocopies of their four Hungarian and one foreign language publication studies;
- on the day of the completion and signing of the leaving certificate (absolatory) the standard statement of attendance of the doctoral candidate ceases. From the acceptance to the classification awarding procedure to the day of doctoral initiation the candidate is entitled by the designation 'doctoral nominee'.

7. THE REQUIREMENTS OF THE CLASSIFICATION AWARDING

a.) *The possibilities and requirements for the registration to the classification awarding:*

- after acquiring the leaving certificate (absolatory) and possessing the complete doctoral dissertation and all the awarding requirements;
- after acquiring the leaving certificate (absolatory), but with the absence of some of the awarding requirements of the classification;
- in the third year of the training, if the training requirements have been accomplished and a successful workshop has been held;
- the successful admission of an individual training student means the start of the classification awarding procedure as well;
- for a candidate to be able to start the classification awarding procedure is judged by the UDC, and approved by the Doctoral Council of the University;
- the candidates in the organized education have to register to the classification awarding in advance within three years counting from the day of the completion of the leaving certificate (absolatory), and the procedure has to be finished within two years from the acceptance of the registration.

b.) *The general requirements of the acquisition of the doctor's degree:*

- the documenting of the substantive scientific work with the quantity of scientific publications set in the Doctoral Regulations;
- the certification of the knowledge of the two foreign languages (a world language, intermediate level type 'C', another language intermediate or advanced level, type 'C', or equivalent with those);
- the successful passing of the doctoral comprehensive examination;
- the completion of the scientific task, its competition during the workshop, and the defending of the complete dissertation, creation, in a public debate;
- in the case of an unsuccessful classification awarding procedure a new procedure can be started two years after the first on the earliest, and can be initiated in the same topic only once more.

20. July 2015, Budapest

Prof. dr. Tamás Csikány colonel, DSc
Head of DSMS

**DOCTORAL SCHOOL OF
MILITARY SCIENCES
PROGRAMS OF SUBJECTS**

(only for training in English language)

SUBJECT PROGRAMS OF THE COMPULSORY SUBJECTS:

Subject programs, subject descriptions

Name of the subject: The classics of military science	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1.	
Prerequisite subjects: -	
<p>Description: The life and work of the classics of the military science, their most important works, and their effect on the universal development. The subject gives a summary from the ancient time up to the second world war puts mainly the European and American classics in front, as well as the outstanding Hungarian military scientists.</p> <p>Knowledge material: giving a general knowledge of the classical authors of the foundation of military science and their works</p> <p>Competencies: the students should get to know the life and work of the most important, most well-known classic of military science, to realize the connection between the principles of the works of the foundation of military science and the principles operative today</p>	
<p>The listing of the 3-5 most important <i>compulsory</i>, and <i>selected readings</i> (lecture notes, course books), with bibliographical data (author, title, publishing data, pages, ISBN)</p> <p>Compulsory readings: SUN TZU: The art of war. Oxford, UK: Oxford University Press, 1971, ISBN 0195014766 CLAUSEWITZ, Carl von: On War. New Jersey: Princeton University Pr., 1989, ISBN 0691018545 JOMINI, Baron de: The art of war. Westport: Greenwood Pr., [É. n.], LIDDELL HART, B.H.: Strategy: the indirect approach. London: Faber and Faber, 1967</p> <p>Selected readings: LAQUEUR, Walter: The Guerrilla Reader. A Historical Anthology. Philadelphia: Temple University Press, 1977 ISBN 0877220956</p>	
Consultant (name, position, scientific degree): Prof. Dr. Tamás Csikány DsC	
Instructor(s) brought in to the teaching , if there are any (name, position, scientific degree): Prof. Dr. Zoltán Szenes Csc	

Subject programs, subject descriptions

The name of the subject: The history of military art	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1.	
Prerequisite subjects: -	
<p>Description: The summary of the development of the European and Hungarian military art from the ancient times to the end of the second world war. The introduction of important wars, activities of commanders in the view of the development of the military leadership</p> <p>Knowledge material: The introduction of significant wars, battles determining great historical periods, their analysis that shows what roots, antecedents the military art of today has.</p> <p>Competencies: We wish to form and develop those skills which help realizing the connections lead to the development of the military art of today.</p>	
<p>Compulsory readings: VESZPRÉMY, László –KIRÁLY, Béla K. (ed.): A millennium of Hungarian military history. New York : Columbia University Press, 2002, ISBN 088033519X KEEGAN, John: A history of warfare. New York : Alfred A. Knopf, 1993, ISBN 0394588010</p> <p>Selected readings: KEEGAN, John: The Price of Admiralty: The Evolution of Naval Warfare from Trafalgar to Midway. New York, Penguin Books, 1990, ISBN 0140096507</p>	
onsultant (name, position, scientific degree): Prof. Dr. Tamás Csikány DsC	
Instructor(s) brought in to the teaching, if there are any (name, position, scientific degree): Dr. Ferenc Kaiser PhD	

Subject programs, subject descriptions

Name of the subject: The basics of military science	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1.	
Prerequisite subjects: -	
<p>Description: The purpose of the teaching of the subject is to give a general knowledge of military science, and to establish the material of the professional subjects and the general literacy of military science.</p> <p>Knowledge material: The system of the science, the military science 1.; he system of the science, the military science 2.; The sources of military science; The Hungarian military science 1.; The Hungarian military science 2.; Basic concepts (military art); The types of arms, weapons, specialist troops 1.; The types of arms, weapons, specialist troops 2. (HDF); The system of military operations 1.; The system of military operations 2.; The typology of war; The development of the theory of military violence; War-cultures; The theory of insurgency; Consultation</p> <p>Competencies: The student has to learn the place of the military science among the system of sciences. Get acquainted with military organizations, types of arms, weapons and specialist troops. Get acquainted with the system of military operations. The student has to be adept in the works reflecting the steps of the universal and domestic military science.</p>	
<p>Compulsory readings:</p> <ul style="list-style-type: none"> • CLAUSEWITZ, Carl von: On War. New Jersey: Princeton University Pr., 1989, ISBN 0691018545 • LIDDELL HART, B.H.: Strategy: the indirect approach. London: Faber and Faber, 1967 • KEEGAN, John: The face of battle. London: Penguin Books, 1978, ISBN 0140048979 • KEEGAN, John: The mask of command. New York: Penguin Books, 1988, ISBN 0140114068 • BAYLIS, John –WIRTZ, James J. –GRAY, Colin S. (ed.): Strategy in the Contemporary World. <p>Selected readings:</p> <ul style="list-style-type: none"> • An Introduction to Strategic Studies. New York: Oxford University Press, 2002. • COLLINS, John M.: Military strategy: principles, practices and historical perspectives. Washington, D.C.: Brassey's Inc., 2002., ISBN 1574884301 	
<p>Consultant (name, position, scientific degree): Dr. Balázs Forgács PhD</p>	
<p>Instructor(s) brought in to the teaching, if there are any(name, position, scientific degree): Prof. Dr. Klara Kecskemethy CsC</p>	

Subject programs, subject descriptions

The name of the subject: Military science – military art I.	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1.	
Prerequisite subjects: -	
<p>Description:</p> <ol style="list-style-type: none"> 1. Military cultures and their practical materialization 2. The base of geo-politics, and geo-strategy 3. The military strategists of the USA, the NATO and the Soviet Union in the cold war era 4. Challenges, risks, threats 5. The security documents of Hungary, energy-security 	
<p>Compulsory readings:</p> <p>CLAUSEWITZ, Carl von: On War, Oxford University Press, Oxford, 2007.</p> <p>Crevelde, M. van: The Transformation of War: The Most Radical Reinterpretation of Armed Conflict since Clausewitz. New York City: The Free Press, 1991.</p> <p>Watts, B. D.: Clausewitzian Friction and Future War. Washington, D.C.: National Defence University, 2004.</p> <p>Selected readings:</p> <p>Toffler, A., Toffler, H.: War and Anti-War, Survival at the Dawn of the 21st Century. New York City: Little, Brown and Company, 1993.</p>	
Consultant(name, position, scientific degree): Dr. István Resperger PhD	
Instructor(s) brought in to the teaching, if there are (name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: Military science – military art II.	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description:</p> <ol style="list-style-type: none"> 1. Security, crisis, crisis management, crisis reactive forces 2. The process and correlation of strategical planning and operational planning 3. World religions and security 4. The principles and military experiences of the warfare in the XX-XXI. century 5. Generations in the warfare, asymmetric (hybrid) warfare, guerrilla warfare, counter-insurgence operations 6. The military theoretical basics of terrorism <p>Compulsory readings:</p> <ol style="list-style-type: none"> 1. CLAUSEWITZ, Carl von: On War, Oxford University Press, Oxford, 2007. 2. Creveld, M. van: The Transformation of War: The Most Radical Reinterpretation of Armed Conflict since Clausewitz. New York City: The Free Press, 1991. 3. Watts, B. D.: Clausewitzian Friction and Future War. Washington, D.C.: National Defence University, 2004. 4. Toffler, A., Toffler, H.: War and Anti-War, Survival at the Dawn of the 21st Century. New York City: Little, Brown and Company, 1993. 	
Consultant (name, position, scientific degree): Dr. István Resperger PhD	
Instructor(s) brought in to the teaching , if there are (name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: Logistics – military-healthcare	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Knowledge material:</p> <p>Within this subject the students can get acquainted with the basics of military logistics (the concept of logistics, its object, its method, the military logistics is a special field of logistics), its build, the logistical principles of the NATO, the material and transportation support systems in the Hungarian Defence Forces, as well as in the multi-national operations. The subject introduces the historical development of military logistics; it gives a description of the process of the technical support, and the managing of the logistic procedures within the Hungarian Defence Forces. The students can get acquainted with the process of medical support</p> <p>Competencies:</p> <p>The students should be able to know their way among the differences of the civilian and military logistics, their connecting specialities, and harmonize them.</p>	
<p>The listing of the 3-5 most important <i>compulsory</i>, and <i>selected readings</i> (lecture notes, course books), with bibliographical data (author, title, publishing data, pages, ISBN)</p> <p>Compulsory readings:</p> <ul style="list-style-type: none"> • Allied Joint Logistic Doctrine AJP-4(A) NATO Standardization Agency. Brussels, 2003. 78 p. • Allied Joint Doctrine for Logistics AJP – 4(B) NATO Standardization Agency. Brussels, 2003. 107 p. • NATO Logistics Handbook, NATO Logistics Committee, Brussels, 2012. 242 p. • MC 326/2 NATO Principles and Policies of Medical Support <p>Selected readings:</p> <ul style="list-style-type: none"> • NATO MC - Military Committee (2003a): NATO MC 319/2, NATO Principles and Policies for Logistics. • Logistics in Support of Multinational Operations. Joint Publication 4-08, Brussels, 2013. p. 122. 	
<p>Consultant (name, position, scientific degree): Dr. habil. Attila Horváth PhD</p>	
<p>Instructor(s) brought in to the teaching, if there are (name, position, scientific degree): Prof. Dr. György Kende DsC, Dr. József Gyarmati PhD</p>	

Subject programs, subject descriptions

Name of the subject: Defence administration – disaster protection	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description: The aim of the subject is that the students get acquainted with the factors endanger the security of our country and the safety of its people, the answers given to these, within this the designation, elements and function of the system of the complex national defence. They should have a comprehensive view of the role, organizational form, tasks, the normal and special law and order and legal background of the defence administration. They should understand the connections of state defence, economy-preparation and economy-mobilization, disaster protection, civil protection tasks and the defence administration, as well as its function, rules of the procedures in the period of defence and restoration.</p> <p>They should get acquainted with the types of disasters, the process of their formation, their consequences, and the natural and civilizational disaster-threats of Hungary, the domestic system of disaster protection, their sub-systems and their correlations. Moreover, they should get acquainted with the tasks of disaster protection/civil protection, the circle of participants who take part in the mopping-up of consequences of the disasters, and the order of their cooperation. They should get a comprehensive view of the organizational form, function and capability of the National Disaster Protection System.</p> <p>Knowledge material: The complex national system of the defence, the designation and function of the defence administration, the legal background of its development, its organizational form. The national defence, economy-preparation and economy-mobilization, disaster protection, civil protection tasks, and the regulations of their execution, the people responsible for them in the prevention/preparation and in the defence periods.</p> <p>The types of disasters, the process of their formation, their consequences, the characteristics of disaster-hit areas. The natural and civilizational disaster-threats of Hungary, the domestic system of disaster protection, their sub-systems and their correlations, and the order of its operation.</p> <p>The circle of participants who take part in the tasks of disaster protection/civil protection and in the mopping-up of consequences of the disasters, and the order of their cooperation. The organizational form, function and capability of the National Disaster Protection System.</p>	
<p>Compulsory readings:</p> <ul style="list-style-type: none"> • László Lakatos: The change process of the Military Command system from the change of regime to the present day. In: Jakab András, Takács Péter, Tatham Allan F. The transformation of the Hungarian legal order 1985-2005: transition to the rule of law and accession to the European Union. 673 p. Alphen aan den Rijn: Kluwer Law International, 2007. pp. 186-191. (ISBN:978-90-411-2694-8) • László Lakatos: The Mathias Programme and civil-military ATM cooperation in Hungary: Skyway - the EuroControl Magazine. Published by EuroControl General Secretariat Directorate External and PR. Bruxelles. Autumn, 2003. ESA JOURNAL-EUROPEAN SPACE AGENCY 3/2001: pp. 34-39. (2001) • Jozsef Feher: Defence Administration, Constitution, NATO Accession (166) • Laszlo Lakatos: The Change Process of the Military Command System from the Change of Regime to the Present Day (179) • In: The Transformation of the Hungarian Legal Order 1985–2005 Transition to the Rule of Law and Accession to the European Union 	

- Editors Andras Jakab, Peter Takacs and Allan F. Tatham
- Published by: Kluwer Law International P.O. Box 316 2400 AH Alphen aan den Rijn
- The Netherlands ISBN 978-90-411-2180-6 # 2007, Kluwer Law International BV, The Netherlands

Selected readings:

- Julia-Hornycsek, Örs Antal:(Specialized) Technical and medical reconnaissance of disaster-affected areas in: ACADEMIC AND APPLIED RESEARCH IN MILITARY SCIENCE Volumen 13:(Issue 1) (2014)
- Laszlo Keszely: From the national adaptation of the NATO Crisis Respond System to the Comprehensive Approach Action Plan in Hungary, Hadtudományi szemle 2014. VII. évfolyam 4. szám

Consultant (name, position, scientific degree): **Dr. Júlia Hornycsek PhD**

Instructor(s) brought in to the teaching, if there are (name, position, scientific degree): **Dr. László Lakatos, PhD, Dr. László Ujházy PhD**

Subject programs, subject descriptions

Name of the subject: National security, law enforcement	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
<p>Prerequisite subjects: The subject is based on the knowledge material of the subjects 'Military science knowledge' and 'The general theory of military</p>	
<p>Description: The history, tasks and general theory of the national security forces and the law enforcement forces. The operating and controlling of the services and law enforcement forces. The domestic and international collaboration of the services and law enforcement forces. The intelligence and counter-intelligence services of the NATO and the EU. The law enforcement forces of the EU, and their tasks. The tools and methods of the open and confidential information gathering. Analysing evaluating methods and procedures. The technical support of the confidential information gathering for the national security and law enforcement services/forces. The participation of law enforcement forces and national security service sin the peacekeeping and crisis managing operations. Scientific work, training and education at the civil services and at the law enforcement forces.</p>	
<p>Compulsory readings:</p> <ul style="list-style-type: none"> • BOKHARI, FARHAN, STEPHEN FIDLER and RAULA KHALAF: Saudi Oil Money Forces With Nuclear Pakistan. In: Financial Times, London, 5 August 2004 • STEINMANN, DAVID: A Radicalization Islamic School System Turns out not to be Exclusive to any One Country. In: Washington Times, 3 March 2002. 	
<p>National security:</p> <ul style="list-style-type: none"> • Quadrennial Defense Review Report 2001. Department of Defense, United States of America, 	

<p>http://www.defense.gov/pubs/qdr2001.pdf</p> <ul style="list-style-type: none"> • Quadrennial Defense Review Report 2010. Department of Defense, United States of America http://www.defense.gov/qdr/images/QDR_as_of_12Feb10_1000.pdf • Remarks by Javier Solana, EU High Representative for the Common Foreign and Security Policy following the agreement on the establishment of EU -NATO permanent arrangements, Brussels, 16 December 2002 http://www.consilium.europa.eu/uedocs/cmsUpload/73803%20 • Republic Of Armenia: National Security Strategy, Approved At The Session Of National Security Council, At The Ra President Office On January 26, 2007 <p>Selected readings:</p> <ul style="list-style-type: none"> • Hugh Griffiths: EU Police performance slammed 2005, Szarajevó, BCR No 571 • Mark Kroeker: The UN Police Mission: Strategies and activities for the years ahead, 2005, New York, UN DP KO Police Division
<p>Consultant (name, position, scientific degree): Dr. József Boda PhD</p>
<p>Instructor(s) brought in to the teaching, if there are (name, position, scientific degree):</p> <p>A, National security: Dr. István Resperger, Dr. István Kobolka, Dr. Flórián Aradi, Dr. habil József Kis-Benedek, Dr. Imre Dobák, Dr. Kund Regényi, Dr. Zoltán Bebesi, Dr. Csaba Vida, Dr. Tamás Kenedli,</p> <p>B, Law enforcement: Dr. József Parádi, Dr. Sándor Fórizs, Dr. habil János Varga, Dr. Csaba Csányi, Dr. Péter Ruzsonyi, Dr. János Sallai, Dr. Zoltán Hautzinger, Dr. Árpád Muhoray.</p>

Subject programs, subject descriptions

Name of the subject: Information operations	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Knowledge material: The basics of the military technological sciences. The characteristics of information. The development, concept and content of the information society. The information infrastructures of the information society. Information technological revolution. The information environment of the battle activities, information battleground, the concept of digital battleground. Modern military information systems. The concept of information superiority and command superiority. Information based warfare methods. Network based operational skills. The concept, definition, dimensions, types, elements of information operations. The main activities of information operations: operational security; military deceit; psychological operations; electronic warfare; computer-network warfare. The analysis of synchronized information operations.</p> <p>Competencies: high-level theoretical knowledge in the theory of information operations and in their applicability in military operations.</p>	
The listing of the 3-5 most important <i>compulsory</i> , and <i>selected readings</i> (lecture notes, course books), with bibliographical data (author, title, publishing data, pages, ISBN)	

<p>Required readings:</p> <ol style="list-style-type: none"> 1. AJP-3.10 Allied Joint Doctrine for Information Operations. November, 2009 https://info.publicintelligence.net/NATO-IO.pdf 2. JP 3-13 Information Operations. 27. November, 2012 http://www.dtic.mil/doctrine/new_pubs/jp3_13.pdf 3. Zsolt, Haig: Connections between cyber warfare and information operations AARMS Vol. 8, No. 2 (2009) 329–337 <p>Recommended readings:</p> <ol style="list-style-type: none"> 1. Waltz, Edward: Information Warfare Principles and Operations, Artech House, 1998, ISBN 0-89006-511-X 2. Allen, Patric D.: Information operations planning, Artech House, 2007, ISBN 10: 1-58053-517-8 3. Toffler, Alvin: Third wave. Bantman, 1984, ISBN 0553246984
Consultant (name, position, scientific degree): Prof. dr. Zsolt Haig PhD
Instructor(s) brought in to the teaching , if there are any (name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Critical infrastructures	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 4.	
Prerequisite subjects: -	
<p>The aim of the subject: To get acquainted the basics of critical infrastructures, their components, and the domestic and international legal background of their defence.</p> <p>Knowledge material: The basics of infrastructures, and their division. The concept of criticalism. Critical infrastructures (KI). Critical information infrastructures (KII). The dangers and challenges threatening the KIs and the KIIs. The international and domestic regulation frame in the field of KI and KII at present. The organizational frame of the defence in the European Union, in the NATO, and in Hungary.</p>	
<p>Compulsory readings:</p> <p>Lewis, G. Ted: Critical Infrastructure Protection in Homeland Security. Wiley, 2015. ISBN 978-1-118-81763-6 Green Paper on a European Programme for Critical Infrastructure Protection. Brussels, 17.11.2005. COM(2005) 576 final Kovács László Possible methodology for protection of critical information infrastructures. in: HADMÉRNÖK IV:(3) pp. 310-322. (2009)</p> <p>Selected readings:</p> <p>Price, Alfred: War In The Fourth Dimension. Greenhill Books, 2001, ISBN-10: 1853674710, ISBN-13, 978-1853674716 Klimburg, Alexander (Ed.), National Cyber Security Framework Manual, NATO CCD COE Publication, Tallinn 2012 Clark, Richard: Cyber War. ECCO, 2010, ISBN. 978-0-06-196224-0</p>	

Consultant (name, position, scientific degree): Prof. Dr. László Kovács PhD
Instructor(s) brought in to the teaching , if there are any (name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: The methodology of scientific research	Number of credits: 2
Type and number of the classes: Research seminar/day training:20, correspondence=6	
The type of exam: term mark	
The place of the subject in the curriculum (which semester): 1-2. semester	
Prerequisite subjects: -	
<p>Description: The aim of the subject is to form and develop the necessary skills in the students for the self-sufficient research work, and to get them acquainted the key elements of the research process. We urge the student to self-sufficient research during the course. The concept system of the scientific research, the scientific cognition, the introduction to the theory and practice of social science researches. The steps of professional and scientific research types from the idea to the published material, representative research strategies and tools. Online search and information processing. The institutional frames of EU and domestic researches, research ethics, the processing of professional literature from the Internet. The editing of scientific publications. Originality and plagiarism: the ethical requirements of the scientific activity. The evaluation, interpretation, publishing of the results of the personal researches. Analysis of the sources. The type of analyses. The peculiarities of military science researches. The evaluation aspects of analytic-nature researches.</p>	
The listing of the 3-5 most important <i>compulsory</i> , and <i>selected readings</i> (lecture notes, course books), with bibliographical data (author, title, publishing data, pages, ISBN)	
<p>Compulsory readings:</p> <ul style="list-style-type: none"> • ECO, Umberto: How to write a thesis. Cambridge (MA): The MIT Press, 2015., ISBN 9780262527132 • Thomas Kuhn: The Structure of Scientific Revolutions, The University of Chicago Press, 1996 • Bousquet, Antoine: The Scientific Way of Warfare, Order and Chaos on the Battlefields of Modernity, Columbia University Press, 2009 	
<p>Selected readings:</p> <ul style="list-style-type: none"> • Poincaré, Henri: The Value of Science, The Science Press, 1907 • Popper, Karl: The Logic of Scientific Discovery, Routledge Classics, 2005 • Poincaré, Henri: The Foundations of Science, The Science Press, 1921 • Fuller, J. F. C.: The Foundations of the Science of War, Hutchinson and Co., A Military Classic Reprint, US. Army Command and General Staff Press, 1993 • Henderson, G. F. R.: The Science of War, A Collection of Essays and Lectures 1881-1903, Longmans, Green and Co., 1912 • Evola, Julius: The Metaphysics of War, Battle, Victory and Death in the World of Tradition, Arktos Media, 2011 	

Consultant (name, position, scientific degree): Dr. habil. Ildikó Szelei PhD
Instructor(s) brought in to the teaching , if there are any (name, position, scientific degree): Dr. Zoltán Jobbágy university associate professor PhD

Subject programs, subject descriptions

Name of the subject: Security politics – Military security	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 2.	
Prerequisite subjects: The classics of military science	
<p>Description: The acquiring of the complex and modern approach of the security. The cognition of the theoretical conceptions of security (realism, liberalism, constructivism), and the explanation of the security challenges of nowadays. Military security in the present. The most important institutions taking part in the international peacekeeping and security (UN, EU, NATO, OSCE). The tasks of peacekeeping and crisis management. The course closes with the processing of the regional security problems of nowadays and the introduction of characteristics of the security system of Hungary.</p> <p>Knowledge material: Giving general knowledge of the security risks, challenges and threats of the 21. century. The connection between the security sectors and the military security. The requirements of the modern warfare and peacekeeping operations, and the expansion of the armed forces. The activities of the international organizations in keeping the international peace and security. The activities of the Hungarian Defence Forces, the police and the civil participants in the international crisis management. The development of the Hungarian security sector in the light of international requirements</p> <p>Competencies: The students should get acquainted with the challenges, risks, threats threatening the security, understand the correlations among the military and non-military areas of security. They should get acquainted with the different type of international security organizations (collective and cooperative security, collective defence), and the international and Hungarian decision-making procedure of crises management. Make real their knowledge about the correlations between modern warfare and peacekeeping, and the expansion if the armed forces. Learn the knowledge in connection with the international partaking of Hungary, and the possibilities of exercising national interests in the federal systems.</p>	
<p>Compulsory readings</p> <ul style="list-style-type: none"> • Paul D. Williams (ed): Security Studies: An Introduction, Routledge 2012, ISBN-13: 978-0415782814 • Alan Collins: Contemporary Security Studies Paperback, 2013 ISBN-13: 978-0199694778 ISBN-10: 019969477X Edition: 3rd Oxford • Christopher W. Hughes (Editor), Yew Meng Lai (Editor): Security Studies: A Reader <i>Paperback</i>, 2011, Routledge ISBN-13: 978-0415326018 	

- Zoltán Szenes: Pfp- The Hungarian Perspective. Security, Transparency, Accountability and Reform: Linking the Security Sectors of Georgia, Moldova, Azerbaijan, Moldova, and Ukraine to the European Mainstream

Selected readings

- Christopher Hill, Michael Smith: International Relations and the European Union. Oxford University Press, 2011.
- Karim Knio: The European Union's Mediterranean Policy: Model or Muddle? Palgrave Macmillan. 2013.
- Anna Molnár: Macro-regional approaches in the Mediterranean area. In: Krisztina Arató - Zsolt Enyedi - Ágnes Lux (ed.): Structures and Futures of Europe. Ad Librum, 2011. 65-91. p.
- Federiga Bindi: The Foreign Policy of the European Union: Assessing Europe's Role in the World. Brookings Institution Press, 2010. http://hist.asu.ru/aes/FPEU_0815701403.pdf

Consultant (name, position, scientific degree): **Dr. Zoltán Szenes CSc**

Instructor(s) brought in to the teaching, if there are any (name, position, scientific degree): -

Subject programs, subject descriptions

Name of the subject: Defence-political studies	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 2.	
Prerequisite subjects: Security politics – Military security	
<p>Description: To educate the second-year PhD students about the security environment, strategic planning and military force development both in an international and domestic level. To study certain regions (North America, Europe, Middle-East, Asia), the defence policy of their most important countries, the changes, developments and the control of military force, to understand the political, legal and organizational structure of defence decision making. The course analyzes the role of various political and legal systems in shaping the defence policy, in constructing and developing the Armed Forces. It describes the decision-making processes, the responsibilities and scope of authority of the different parties (parliament, government, the president of the republic) The course ends with the overview of the system change of the Hungarian defence policy.</p> <p>Knowledge material The students should get acquainted with the challenges, risks, threats threatening the security, understand the correlations among the military and non-military areas of security. They should get acquainted with the different type of international security organizations (collective and cooperative security, collective defence), and the international and Hungarian decision-making procedure of An international outlook on certain examples of some countries (USA, Great-Britain, Russia, Israel, China) It shows the different ways of each countries defence policies, also shows the regional and national characteristics of the development of Armed Forces. It gives us a picture about the complexity and difficulty behind military reforms. It presents the Hungarian defence policy, the task system of the Hungarian Army, and the question of command and control.</p> <p>Competencies: During the course the students will get a knowledge about the relation between security and defence policy, about military strategies and the governmental procedures of force development, the national specificity and the international trends. The comparative analysis of the questions concerning defence is the foundation of the Hungarian teaching of defence policy and the better understanding in international affairs. It also helps to connect with real objects of military research.</p>	
<p>Compulsory readings</p> <ul style="list-style-type: none"> • Paul D. Williams (ed): Security Studies: An Introduction, Routledge 2012, ISBN-13: 978-0415782814 • Alan Collins: Contemporary Security Studies Paperback, 2013 ISBN-13: 978-0199694778 ISBN-10: 019969477X Edition: 3rd Oxford • Christopher W. Hughes (Editor), Yew Meng Lai (Editor): Security Studies: A Reader <i>Paperback, 2011, Routledge</i> ISBN-13: 978-0415326018 • Zoltán Szenes: Pfp- The Hungarian Perspective. Security, Transparency, Accountability and Reform: Linking the Security Sectors of Georgia, Moldova, Azerbaijan, Moldova, and Ukraine to the European Mainstream <p>Selected readings</p>	

- Christopher Hill, Michael Smith: International Relations and the European Union. Oxford University Press, 2011.
- Karim Knio: The European Union's Mediterranean Policy: Model or Muddle? Palgrave Macmillan. 2013.
- Anna Molnár: Macro-regional approaches in the Mediterranean area. In: Krisztina Arató - Zsolt Enyedi - Ágnes Lux (ed.): Structures and Futures of Europe. Ad Librum, 2011. 65-91. p.
- Federiga Bindi: The Foreign Policy of the European Union: Assessing Europe's Role in the World. Brookings Institution Press, 2010. http://hist.asu.ru/aes/FPEU_0815701403.pdf

Consultant (name, position, scientific degree): **Dr. Zoltán Szenes CSc**

Instructor(s) brought in to the teaching, if there are any (name, position, scientific degree): -

THE SUBJECTS OF THE OPTIONALLY CHOSEN RESEARCH

Subject programs, subject descriptions

Name of the subject: Security Theories	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1-2.	
Prerequisite subjects: -	
<p>Description: The aim of the research seminar is for the students to examine and evaluate the biggest challenges in the Euro-Mediterranean region through case studies and for them to learn about the integration process within NATO and EU. The students will learn about the relationship between Europe and the Mediterranean region through a key question or a conflict. They will also learn about the traditional -mainly related to the cold war - modern problems and conflicts intensified after the collapse of the bipolar international system.</p> <ol style="list-style-type: none"> 1. The Mediterranean policy of the EU 2. The NATO: Mediterranean dialogue 3. Case study 	
<p>Compulsory readings: Christopher Hill, Michael Smith: International Relations and the European Union. Oxford University Press, 2011.</p> <p>Karim Knio: The European Union's Mediterranean Policy: Model or Muddle? Palgrave Macmillan. 2013.</p> <p>Selected readings: Molnár Anna: Macro-regional approaches in the Mediterranean area. In: Krisztina Arató - Zsolt Enyedi - Ágnes</p>	

<p>Lux (ed.): Structures and Futures of Europe. Ad Librum, 2011. 65-91. p.</p> <p>Federiga Bindi (szerk.): The Foreign Policy of the European Union: Assessing Europe's Role in the World. Brookings Institution Press, 2010. http://hist.asu.ru/aes/FPEU_0815701403.pdf</p> <p>Anna Molnár: Towards an EU strategy for the Adriatic Ionian Macro-region. in: A. Ágh- T. Kaiser – B. Koller (ed.): 10 years after. Multi-level governance and differentiated integration in the EU. Budapest: Zsigmond Király Főiskola, 2014. 176-197. p.</p>
Consultant (name, position, scientific degree): Prof. Dr. Zoltán Szenes CsC
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: The EU's Common Foreign and Security Policy	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description:</p> <p>The aim of the course is for the students to get some basic knowledge about the EU's common foreign and security policy. Its historical background, its organizations, legal framework, today's challenges and its assessment. Learn about the EU's external relations system, main political and economic relations through the literature to be processed.</p>	
<p>Compulsory readings:</p> <p>Jochen Rehr (ed): Handbook for Decision Makers, 2014. ESDC, Wien, ISBN: 987-3-902275-35-6) http://eeas.europa.eu/csdp/structures-instruments-agencies/european-security-defence-college/pdf/handbook/handbook-for-decision-makers.pdf</p> <p>Jochen Rehr and Hans-Bernhard Weisserth (ed.): Handbook CSDP, The Common Security and Defence Policy of the European Union. 2013. ESDC, Wien. ISBN: 987-3-902275-34-9</p>	

http://eeas.europa.eu/csdp/structures-instruments-agencies/european-security-defence-college/pdf/handbook/handbook_csdp_2_aufgabe-revised.pdf

Selected readings:

Federiga Bindi (szerk.): The Foreign Policy of the European Union: Assessing Europe's Role in the World. Brookings Institution Press, 2010. http://hist.asu.ru/aes/FPEU_0815701403.pdf

Christopher Hill, Michael Smith: International Relations and the European Union. Oxford University Press, 2011

Van Vooren Bart: EU external relations law and the European neighbourhood policy: A paradigm for coherence. London, GB etc. : Routledge, 2012.

Consultant (name, position, scientific degree): **dr. habil. Anna Molnár PhD**

Instructor(s) brought in to the teaching, if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Italian Security and Defence Policy	Number of credits: 2
Type and number of the classes: 20	
The type of exam: term mark	
The place of the subject in the curriculum (which semester): 3-4.	
Prerequisite subjects: -	
<p>Description:</p> <p>The aim of the research seminar is to introduce Italy's security and defence policy and to show Italy's place in the international system and its place in the European integration also to show the situation of the Italian army and the plans about its development. The students will get to know Italy's participation in international conflicts through different case studies.</p> <ol style="list-style-type: none"> 1. The main questions of Italy's foreign affairs 2. The biggest challenges of the Italian security policy, military reform 3. case study: Italy's participation in international missions 	

<p>Compulsory readings:</p> <p>Vincenzo Camporini et al.: The Role of Italian Fighter Aircraft in Crisis Management Operations: Trends and Needs. 2014. IAI. ISBN 978-88-6812-329-1 http://www.iai.it/pdf/Quaderni/iairp_16.pdf</p> <p>Selected readings (optional):</p> <p>Ettore Greco: SCEGLIERE PER CONTARE. Rapporto sulla politica estera italiana. Edizione 2014. IAI. http://www.iai.it/pdf/Quaderni/iaiq_11.pdf</p>
<p>Consultant (name, position, scientific degree): Dr. habil. Anna Molnár</p>
<p>Instructor(s) brought in to the teaching, if there are any (name, position, scientific degree):</p>

Subject programs, subject descriptions

<p>Name of the subject: Human resources planning and development</p>	<p>Number of credits: 3</p>
<p>Type and number of the classes:</p>	
<p>The type of exam: endterm examination (K)</p>	
<p>The place of the subject in the curriculum (which semester): 1-2. semester</p>	
<p>Prerequisite subjects: -</p>	
<p>Description: The aim of the subject is to provide the students with theoretical knowledge of activities related to human resources and to teach them about the practical applications within defence organizations. Therefore the students will get the chance to develop their creative thinking skills, to work in groups and to make presentations in small groups as well as they will learn about empiric research and comparative statistical data analysis. The course is the backbone of human resources as a unique resource management related to the presentation and interpretation of roles and responsibilities.</p>	
<p>Compulsory readings:</p> <ol style="list-style-type: none"> 1. Pawan S Budhwar, Kamel Mellahi (2006) Managing Human Resources in the Middle-East 2. Pawan S Budhwar, Kamel Mellahi(2003) Managing Human Resources in Africa <p>Selected readings:</p> <ol style="list-style-type: none"> 1. Zorlu Senyucal Managing Human Resources in the 21. century (free study book www.bookboon.com) 	

Consultant (name, position, scientific degree): Zoltán László Kiss PhD
Instructor(s) brought in to the teaching , if there are any (name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: HR (human resources) controlling	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 4. semester	
Prerequisite subjects: -	
Description: The students will learn about the theory and application of Hr controlling in the civil service. During the course they will get to know the different schools, theories and methods that enable the analysis of the efficient employment of people working in public administration organizations.	
Compulsory readings:	
<ol style="list-style-type: none"> 1. Armstrong, M. (2003): A Handbook of Human Resource Management Practice. Kogan Page 2. Edwards, T. & Rees, C. (2006): International Human Resource Management: 3. Globalization, National Systems and Multinational Companies. Prentice Hall 	
Selected readings:	
<ol style="list-style-type: none"> 1. Randall S Schuler, Dennis R Briscoe, Lisbeth Claus (2008) International Human Resource Management 3rd Edition 	
Consultant (name, position, scientific degree): Dr. habil János Krizbai CsC	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree): Dr. habil János Krizbai CsC; Prof. Dr Zoltán László Kiss PhD;	

Subject programs, subject descriptions

Name of the subject: The Leadership Aspects of Crisis Response Operations	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 1-2.	
Prerequisite subjects: -	
<p>Description: To inform the students about the places and roles of NGOs within the NATO's comprehensive approach towards defence. To present the place and role of NGOs in the defence management system. The place and role of NGOs in NATO's comprehensive approach to defence. The activities of NGOs nowadays. Place and role of NGOs in Hungary's defense management.</p>	
<p>Compulsory readings:</p> <ol style="list-style-type: none"> 1. <i>Allied Joint Doctrine for Non-Article 5 Crisis Response Operations AJP-3.4(A)</i>. 2010. 2. <i>Allied Joint Doctrine AJP-01(D)</i> 2011. 3. <i>ADRP 6-0: Mission Command</i>. Washington, DC, Headquarters, Department of the Army, 2012. https://fas.org/irp/doddir/army/adrp6_0.pdf <p>Selected readings:</p> <ol style="list-style-type: none"> 4. UJHÁZY László: Some Thoughts on the Command Structure of EUFOR Operation ALTHEA. <i>Műszaki Katonai Közlöny (online)</i>, 2013. különszám, pp. 6–16. ISSN 20634986 5. UJHÁZY László: Allied Joint Force Command Headquarters Brunssum's Deployed Joint Forces Headquarters Training. <i>AARMS</i>, 2008/3, pp. 445–451. ISSN 1588-8789 	
Consultant (name, position, scientific degree): Dr. László Ujházy PhD	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: The theory of geo-informational support	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm exam (K)	
The place of the subject in the curriculum (which semester): 2-4.	
Prerequisite subjects: -	
<p>Description: The basic principles of geo-information support. Mapping military geographic and meteorological support. The different types and format of military geographic materials, the content and format of meteorological data.</p>	
<p>Compulsory readings: MC 296/1 NATO Geospatial Policy 2006 p. Klára Kecskeméthy: History of the Conference of Commandants ACADEMIC AND APPLIED RESEARCH IN MILITARY SCIENCE Volume 6:(Issue 2) pp. 281-299. (2007) András Gelsei, <u>Klára Siposné Kecskeméthy</u> Multinational Staff Officer Center – Training in accordance with NATO standards ACADEMIC AND APPLIED RESEARCH IN MILITARY SCIENCE Volume 5:(Issue 4) pp. 507-513. (2006) Kecskeméthy Klára: Security and cooperation through education and research in the Mediterranean Area ACADEMIC AND APPLIED RESEARCH IN MILITARY SCIENCE Issue 2:(Volume 3.) pp. 295-304. (2004)</p> <p>Selected readings: STANAG 2251 IGEO (EDITION 6) – Scope and presentation of military geographic information and documentation (MGID), 1999. p. 20</p>	
Consultant (name, position, scientific degree): Prof. Dr. Klára Kecskeméthy Siposné CSc	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree): Dr. Attila Kállai PhD	

Subject programs, subject descriptions

Name of the subject: The theory and practice of aerial operations	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm exam (K)	
The place of the subject in the curriculum (which semester): 3-6.	
Prerequisite subjects: -	
<p>Description: Scientific processing of the questions concerning NATO's aerial operations, its tasks, organizations and leadership. To give a thorough knowledge of NATO's airspace control procedures and of the unified air defense system (NATINADS)</p>	
<p>Compulsory readings:</p> <ol style="list-style-type: none"> 1. Warden, John A. III. : The Air Campaign: Planning for Combat, Washington, 1988. 2. Warden, John A. III.: "Enemy as a System", Airpower Journal, Spring, 1995. 3. Melinger, Philip. S.: The Paths of Heaven: The Evolution of Airpower Theory, 1997. 4. Olsen, John Andreas : A history of air warfare, 2010, Potomac Books. 5. Meilinger, Phillip S. : Airwar: Essays on its theory and practice, Taylor & Francis, 2003. 	
<p>Selected readings:</p> <ol style="list-style-type: none"> 1. Olsen, John Andreas : Global air power, Potomac Books, Inc., 2011. 2. Olsen, John Andreas: Strategic air power in desert storm, 2006, Routledge, Abington. 3. Melinger, Philip. S.: Ten propositions Emerging Airpower, www.au.af.mil/au/awc/awcgate/au/meil.pdf 	
Consultant (name, position, scientific degree): Dr. habil. Zoltán Krajnc PhD	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: Operational environment	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description:</p> <p>The aim of the course is to provide knowledge to the students about the military, the military operations their environment and its changes. The course includes environment and operational characteristics of future conflicts and possible military tasks. In addition, it also includes the parts and conditions of the deployability of forces, the need for social sciences in modern military applications as well as the issues and dilemmas of decision-making.</p>	
<p>Compulsory readings:</p> <p><i>Operational Environment 2009-2025</i>, TRADOC, US ARMY, August 2009 (v6)</p> <p>Fritz, V and Menocal, A.R. (2007), <i>Understanding State-Building from a Political Economy Perspective</i>, Overseas Development Institute</p> <p>Organisation for Economic Co-operation and Development - OECD (2010), <i>Conflict and Fragility, Do No Harm, International Support for State-building</i></p> <p>Dobbins, J. (2005), NATO's role in nation-building, <i>NATO Review</i>,</p> <p>DAC Guidelines and Reference Series: Supporting Statebuilding in Situations of Conflict and Fragility, POLICY GUIDANCE, OECD, 2011, ISBN 978-92-64-07496-5 ISBN 978-92-64-07498-9 (PDF)</p> <p>Selected readings:</p> <p>Strategic Trends Programme: Global Strategic Trends - Out to 2045 fifth edition, United Kingdom's Ministry of Defence, 2014.</p>	

CIMIC Centre of Excellence: Good Governance Makes Sense, a Way to Improve your Mission, CCOE, 2012, Netherlands

Consultant (name, position, scientific degree): **Dr. Gábor Boldizsár PhD**

Instructor(s) brought in to the teaching, if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Civil-Military Interaction	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 4.	
Prerequisite subjects: -	
<p>Description: The aim of the course is to give knowledge about today's and the future's complex challenges of security environment. To teach about the both civil and military participants of conflict relief. Their efforts on a local regional and strategic level.</p>	
<p>Compulsory readings: CIMIC Centre of Excellence: CIMIC/CMI Field Handbook, CCOE, 2012, Netherlands CIMIC Centre of Excellence: Good Governance Makes Sense, a Way to Improve your Mission, CCOE, 2012, Netherlands Human Terrain Team Handbook, Human Terrain System, 2008 Pamela Aall, LTC Daniel Miltenberger, Thomas G. Weiss: Guide to IGOs, NGOs and the Military in Peace and Relief Operations (USIP Press, 2000, Washington D.C.)</p>	
<p>Selected readings: Analysis of Civil-Military Interactions (The Canadian Peacekeeping Press, Cornwallis, 1999) Analysis for Peace Operations, The Canadian Peacekeeping Press, 1998, Cornwallis (Canada) CIMIC Centre of Excellence: Gender Makes Sense, a Way to Improve your Mission, CCOE, 2013, Netherlands CIMIC Centre of Excellence: Ecosystems assessment makes sense, a Way to Improve your</p>	

Mission, CCOE, 2012, Netherlands FM 3-07 STABILITY OPERATIONS, HEADQUARTERS DEPARTMENT OF THE ARMY, 2008 FM 3-07 STABILITY, HEADQUARTERS DEPARTMENT OF THE ARMY, 2014
Consultant (name, position, scientific degree): Dr. Gábor Boldizsár PhD
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Theory of Counterinsurgency I.	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 4.	
Prerequisite subjects: Theory of Allied Joint Operations	
<p>Description: To give such up to date knowledge to the students that they can take part in operations against insurgents. The course will give a comprehensive knowledge about the warfare against insurgents through the classic works of those who were against them.</p>	
<p>Compulsory readings: Callwell, C. E.: <i>Small Wars Their Principles and Practice</i>, Book Jungle, 2014, Lawrence, T. E.: <i>Seven Pillars of Wisdom</i>, Wordsworth Classics of World Literature, 1999</p> <p>Selected readings: Galula, David: <i>Counter-Insurgency Warfare, Theory and Practice</i>, Psi Classics of the Counterinsurgency Era, Praeger, 2006 Trinquier, Roger: <i>Modern Warfare: A French View of Counterinsurgency</i>, Psi Classics of the Counterinsurgency Era, Praeger, 2006 Tse-Tung, Mao: <i>On Guerrilla Warfare</i>, University of Illinois Press, 2000</p>	
Consultant (name, position, scientific degree): Dr. Zoltán Jobbágy PhD	
Instructor(s) brought in to the teaching: Csaba Bakos	

Subject programs, subject descriptions

Name of the subject: Theory of Allied Joint Operations	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description: To give the students such knowledge about the allied land operations that enables them to cooperate with the allied and coalition partners. According to the NATO's strategic priority the students be able to multitask not only in land operations but also very different crisis operations as well.</p>	
<p>Compulsory readings: <i>AJP-01(D) Allied Joint Doctrine</i>, December 2010 <i>AJP-3 (B) Allied Joint Doctrine for the Conduct of Operations</i>, March 2011</p> <p>Selected readings: Dempsey, Martin E.: <i>The Future of Joint Operations, Real Cooperation for Real Threats</i>, Foreign Affairs, Snapshot, 20June 2013, Internet, available at https://www.foreignaffairs.com/articles/united-states/2013-06-20/future-joint-operations <i>Capstone Concept for Joint Operations, Joint Force 2020</i>, 10 September 2012, Internet, available at http://www.defenseinnovationmarketplace.mil/resources/JV2020_Capstone.pdf <i>Backgrounder, Interoperability for Joint Operations</i>, 6 July 2006, Internet, available at http://www.nato.int/nato_static/assets/pdf/pdf_publications/20120116_interoperability-en.pdf</p>	
Consultant (name, position, scientific degree): Dr. Zoltán Jobbágy PhD	
Instructor(s) brought in to the teaching: Csaba Bakos	

Subject programs, subject descriptions

Name of the subject: The Causes and Treatment of Future Social Conflicts, Particularly the Use of Military Force	Number of credits: 2
Type and number of the classes: 30	

The type of exam: term mark
The place of the subject in the curriculum (which semester): 4.
Prerequisite subjects: -
<p>Description:</p> <p>The aim of the research seminar is for the students to apply their knowledge of military development, military operations, operational environments and crisis management. For the students to apply the earlier acquired knowledge and the knowledge of this course in specific cases.</p>
<p>Compulsory readings:</p> <p>Ian F. W. Beckett: <i>Modern Insurgencies and Counter-Insurgencies (Guerillas and their opponents since 1750)</i>, London and New York, Routledge, 2001</p> <p>GLOBAL TRENDS 2030: ALTERNATIVE WORLDS <i>a publication of the National Intelligence Council</i></p> <p>Strategic Trends Programme: <i>Global Strategic Trends - Out to 2045</i> fifth edition, United Kingdom's Ministry of Defence, 2014.</p> <p>Selected readings:</p> <p>Allen Hammond: <i>Which World? Scenarios for the 21 st century</i> (Island Press, Washington DC/USA, 2000)</p> <p>Price, Alfred: <i>War In The Fourth Dimension</i>, Greenhill Books, 2001, ISBN-10: 1853674710, ISBN-13, 978-1853674716</p> <p>FM 3-07 STABILITY, HEADQUARTERS DEPARTMENT OF THE ARMY, 2014</p>
Consultant (name, position, scientific degree): Dr. Gábor Boldizsár PhD
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Theory of Allied Land Operations	Number of credits: 2
Type and number of the classes: 20	

The type of exam: term mark
The place of the subject in the curriculum (which semester): 2.
Prerequisite subjects: Theory of Allied Joint Operations
<p>Description:</p> <p>To give the students such knowledge about the allied land operations that enables them to cooperate with the allied and coalition partners. According to the NATO's strategic priority the students be able to multitask not only in land operations but also very different crisis operations as well.</p>
<p>Compulsory readings:</p> <p><i>AJP-3.2 Allied Joint Doctrine for Land Operations</i>, October 2009</p> <p><i>AJP-3.4 (A) Allied Joint Doctrine for Non-Article 5 Crisis Resoinse Operations</i>, Ratification Draft</p> <p>Selected readings:</p> <p><i>The US. Army Operating Concept, Win in a Complex World, 2020-2040</i>, 31 October 2014, Internet, accessed at http://www.tradoc.army.mil/tpubs/pams/tp525-3-1.pdf</p> <p><i>Joint concept Note 2/12, Future Land Operating Concept, May 2012</i>, Internet, accessed at https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/33688/20120829jen2_12_floc_u.pdf</p> <p><i>Future Army 2020</i>, Internet, accessed at http://www.publications.parliament.uk/pa/cm201314/cmselect/cmdfence/writev/army2020/m13.htm</p>
Consultant (name, position, scientific degree): Dr. Zoltán Jobbágy PhD
Instructor(s) brought in to the teaching: Csaba Bakos

Subject programs, subject descriptions

Name of the subject: The specifics of command and control in today's	Number of credits: 2
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operations	
Type and number of the classes: 20	
The type of exam: term mark	
The place of the subject in the curriculum (which semester): 3.	
Prerequisite subjects: -	
<p>Description: The aim of the research seminar is to give knowledge about today's complex military operations. The challenges of a commander and the necessary new leadership abilities of the commander. . The earlier acquired knowledge and the knowledge of this course can be applied through specific cases.</p>	
<p>Compulsory readings:</p> <p>Ian F. W. Beckett: <i>Modern Insurgencies and Counter-Insurgencies (Guerillas and their opponents since 1750)</i>, London and New York, Routledge, 2001 John Keegan: <i>The Mask of Command: Alexander the Great, Wellington, Ulysses S. Grant, Hitler, and the Nature of Leadership</i>, Penguin Books 1988, ISBN 0140114068 Taylor B. Seybolt: <i>Humanitarian Military Intervention the Conditions for Success and Failure</i>, Sipri, Oxford University Press 2008</p> <p>Selected readings: HANDBOOK ON CSDP: <i>The Common Security And Defence Policy Of The European Union</i>, Vienna/Austria, 2012, ISBN: 978-3-902275-33-2 Huntington, Samuel P.: <i>Soldier and the State</i> (Harvard University Press, London, 1998.) <i>Operational Environment 2009-2025</i>, TRADOC, US ARMY, August 2009 (v6)</p>	
Consultant (name, position, scientific degree): Dr. Gábor Boldizsár PhD	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: The network of the public administration and the defence administration	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 2-6.	
Prerequisite subjects: -	
Description:	

The aim of the course is for the students to get to know the new challenges of our days, the factors affecting safety and its relations. To ensure that they know the parts, legal background, connections and expectations of Hungary's defence system. To know the complexity of the defence system.

Compulsory readings:

Jozsef Feher: Defence Administration, Constitution, NATO Accession (166)

Laszlo Lakatos: The Change Process of the Military Command System from the Change of Regime to the Present Day (179)

In: The Transformation of the Hungarian Legal Order 1985–2005 Transition to the Rule of Law and Accession to the European Union

Selected readings:

Editors Andras Jakab, Peter Takacs and Allan F. Tatham

Published by: Kluwer Law International P.O. Box 316 2400 AH Alphen aan den Rijn

The Netherlands ISBN 978-90-411-2180-6 # 2007, Kluwer Law International BV, The Netherlands

Consultant (name, position, scientific degree): **Dr. Laszlo Lakatos PhD**

Instructor(s) brought in to the teaching, if there are any (name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: Public and defence administration as subjects	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm examination (K)	
The place of the subject in the curriculum (which semester): 3-4. semester	
Prerequisite subjects: -	
<p>Description: The complex national system of defence, the function and operation of defence administration. Its legal background and its organizations. The different types of disasters, their origins and consequences. The threats of Hungary's natural and man-made disasters. Our national disaster management system and its operation.</p>	

<p>Compulsory readings: Editors Andras Jakab, Peter Takacs and Allan F. Tatham Published by: Kluwer Law International P.O. Box 316 2400 AH Alphen aan den Rijn The Netherlands ISBN 978-90-411-2180-6 # 2007, Kluwer Law International BV, The Netherlands</p> <p>Selected readings: Laszlo Lakatos: The Change Process of the Military Command System from the Change of Regime to the Present Day (179) In: The Transformation of the Hungarian Legal Order 1985–2005 Transition to the Rule of Law and Accession to the European Union</p>
Consultant (name, position, scientific degree): Dr. habil. László Lakatos PhD
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):

Subject programs, subject descriptions

Name of the subject: All Source intelligence	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm exam (K)	
The place of the subject in the curriculum (which semester): 2-6.	
Prerequisite subjects: -	
<p>Description: To introduce the basics, potentials, methods and systems of collective data source reconnaissance especially in the perspective of electronic reconnaissance.</p>	
<p>Compulsory readings: 1. AJP-2.0 Allied Joint Intelligence, Counter Intelligence Doctrine, NATO, Brussels 2003.</p> <p>Selected readings: 1. László Kovács: Electronic warfare and the asymmetric challenges. in: BOLYAI SZEMLE 2009:(3) pp. 135-151. (2009)</p>	
Consultant (name, position, scientific degree): Prof. Dr. László Kovács PhD	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: Electronic warfare	Number of credits: 3
Type and number of the classes: 30	
The type of exam: endterm exam (K)	
The place of the subject in the curriculum (which semester): according to the syllabus	
Prerequisite subjects: -	
Description: To introduce students to the principles of electronic warfare and its main fields, techniques, tactics and procedures.	
Compulsory readings: 1. FM 3-36 Electronic Warfare. 2012. http://fas.org/irp/doddir/army/fm3-36.pdf 2. JP 3-13.1 Electronic Warfare. 08 February 2012. https://info.publicintelligence.net/JCS-EW.pdf 3. Haig, Zs.: Convergence between signals intelligence and electronic warfare support measures. Land Forces Academy Review Vol. XIX.:(Nr. 3. (75)) pp. 327-335. (2014) http://www.armyacademy.ro/reviste/rev3_2014/HAIG.pdf 4. Haig, Zs.: Intelligence and electronic warfare on the digital battlefield. Hadmérnök 4. évf.:(3. sz.) pp. 258-264. (2009) http://www.hadmernok.hu/2009_3_haig.pdf	
Selected readings: 1. Adamy, D.: EW101 A First Course in Electronic Warfare. Artech House, 2001. 2. Ryan, M. J. – Frater, M. R.: Tactical communications for the digitized battlefield. Artech House, 2012	
Consultant (name, position, scientific degree): Prof. dr. Zsolt Haig PhD	
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: The Leadership Questions of Information	Number of credits:
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Operations	3
Type and number of the classes: 30	
The type of exam: endterm exam (K)	
The place of the subject in the curriculum (which semester): according to the syllabus	
Prerequisite subjects: -	
Description: To introduce students to the principles of information management operations and its relations.	
Compulsory readings: Allen P. D.: Information operations planning. Artech House, 2007, ISBN 1-58053-517-8 AJP-3.10 Allied Joint Doctrine for Information Operations. November, 2009 https://info.publicintelligence.net/NATO-IO.pdf JP 3-13 Information Operations. 27. November, 2012 http://www.dtic.mil/doctrine/new_pubs/jp3_13.pdf Zsolt, Haig: Connections between cyber warfare and information operations AARMS Vol. 8, No. 2 (2009) 329–337	
Selected readings: Waltz, Edward: Information Warfare Principles and Operations, Artech House, 1998, ISBN 0-89006-511-X Allen, Patric D.: Information operations planning, Artech House, 2007, ISBN 10: 1-58053-517-8 Toffler, Alvin: Third wave. Bantman, 1984, ISBN 0553246984	
Consultant (name, position, scientific degree): Prof. dr. Zsolt Haig PhD	
Instructor(s) brought in to the teaching, if there are any(name, position, scientific degree):	

Subject programs, subject descriptions

Name of the subject: Cyber warfare	Number of credits: 2
Type and number of the classes: 20	

The type of exam: term mark
The place of the subject in the curriculum (which semester): according to the syllabus
Prerequisite subjects: -
<p>Description: To introduce the basics of cyber warfare. To introduce its instrument system, its internal relationships, and its relationship between traditional warfare, The development of attack and defence capabilities.</p>
<p>Compulsory readings: Haig Zsolt - Kovács László: Military understanding to cyberspace: Cyberwafare in the cyberspace. Sbornik přednášek konference CYTER 2009. Prague, 22-24. 06. 2009. Editor: Václav Jirovský . ISBN 978-80-01-04372-1</p> <p>Selected readings: Price, Alfred: War In The Fourth Dimension. Greenhill Books, 2001, ISBN-10: 1853674710, ISBN-13, 978-1853674716 Klimburg, Alexander (Ed.), National Cyber Security Framework Manual, NATO CCD COE Publication, Tallinn 2012 Clark, Richard: Cyber War. ECCO, 2010, ISBN. 978-0-06-196224-0</p>
Consultant (name, position, scientific degree): Prof. Dr. László Kovács PhD
Instructor(s) brought in to the teaching , if there are any(name, position, scientific degree): -