

**KÁROLI GÁSPÁR UNIVERSITY OF THE
REFORMED CHURCH IN HUNGARY
FACULTY OF LAW**



**DIGITAL ECONOMIC LEGAL EXPERT
(LL.M.)
POSTGRADUATE SPECIALISATION
PROGRAMME
STUDY GUIDE**



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KÁROLI GÁSPÁR UNIVERSITY OF THE REFORMED CHURCH IN HUNGARY

FACULTY OF LAW

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MANAGEMENT OF THE FACULTY

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Friday: 09:00-13:00

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Website: <https://ajk.kre.hu/index.php/oktatas/kepzesi-formak/tovabbkepzesi-kozpont.html>



STUDENT REGISTRY

Mária Vas, Head of Student Registry

phone: +36 1-370 8601 (extension: 102; 165)

e-mail: ajk.tanulmanyi@kre.hu

office: building „A”, mezzanine floor 7.

website: <https://ajk.kre.hu/index.php/hallgatoinknak/tanulmanyi-osztaly.html>

Student administration is available at the Student Registry of the Faculty of Law according to the following office hours:

<i>Office hours</i>	
MONDAY:	08:30 – 12:00 13:00 – 16:00
TUESDAY:	--
WEDNESDAY:	13:00 – 16:00
THURSDAY:	08:30 – 12:00
FRIDAY:	08:30 – 12:00 13:00 – 16:00
in summer and during the examination period	08:30 – 14:00
SATURDAY*:	08:30 – 14:00

**On Saturdays, the Student Registry is open only during the study period.*



SPORTS, LEISURE TIME

For more information on sports activities at the University, please visit the following website:
<http://www.kre.hu/sport/>

FACULTY LIBRARY

The Library of the Faculty of Law started its operation in 2001, and currently it provides its users, lecturers, researchers and students with nearly 20.460 items, including more than 118 periodicals in Hungarian and in foreign languages, electronic documents and databases. The library's main focus is on literature in the fields of law and political science, and development is concentrated in this area. In addition, there is literature in related and supplementary disciplines as well as works to enrich general culture. In our reading rooms, thousands of thematically arranged documents are available on free shelves for on-site use.

We provide access to the University's database (E-Corvina Online Catalogue), EISZ and EBSCO databases. Our additional services: information on general and specialised literature, for a fee: printing and photocopying. (Registration and prior balance top-up required. Details: kre.printelek.hu)

The library which is open during the academic year welcomes readers with 60 seats and 7 computers. Its services are available after registration (free of charge).

Further information can be found in the Library Use Regulations and on the Faculty's website.

Availability: +36 1 370 8601/128
ajk.konyvtar@kre.hu

Opening hours:

Monday	8:30-16:30
Tuesday	8:30-13:30
Wednesday	8:30-16:30
Thursday	8:30-13:30
Friday	8:30-16:30
Saturday	9:00-13:00

The library is closed during school holidays.



GUIDE TO THE DIGITAL ECONOMIC LEGAL EXPERT POSTGRADUATE SPECIALISATION PROGRAMME

To whom we recommend the programme:

Artificial intelligence, self-driving cars, sharing economy, social media, blockchain, big data ... are just a few of the technologies, the legal and regulatory aspects of which can be learnt in the Digital Economic Legal Expert (LL.M) postgraduate specialisation programme. This unique 3-semester study programme responds to the most recent legal and regulatory challenges of digital economy. The programme takes participants through the most topical legal and regulatory issues of the digital economy, providing a systematic overview of the most important legal aspects of the digital economy, and aims to present the most relevant legal issues specific to the digital economy in a complex and systematic way. Graduates will gain the means to deal with the legislative challenges posed by technologies and to respond the legal issues related to the latest technologies.

- 1. Title of the postgraduate specialisation programme:** Digital Economic Legal Expert Postgraduate Specialisation Programme
Title of the postgraduate specialisation programme in Hungarian: Digitális Gazdasági Szakjogász Szakirányú Továbbképzési Szak
- 2. Title of professional qualification in the diploma attainable in the postgraduate specialisation programme:** digital economic legal expert
Title of professional qualification in Hungarian: digitális gazdasági szakjogász
- 3. Condition(s) for admission:**
Master's degree in Law obtained in single-cycle long programme or a former university-level programme in Law and a state-recognised intermediate (B2) complex language exam in at least one foreign language, or an equivalent school-leaving certificate or diploma.
- 4. Training duration, in semesters:** 3 semesters
- 5. The number of credits to be completed for the professional qualification:** 90 credits



6. Professional competences (knowledge, skills, attitudes, autonomy and responsibility):

The digital economic legal expert has:

6.1. knowledge:

- is familiar with the data protection aspects of certain technologies (in particular blockchain, big data, IoT, cloud);
- knows the connections between technologies and specific areas of law (competition law, labour law);
- is aware of the main aspects of cyber law, the regulatory issues related to the freedom and security of the internet as a space (freedom of speech in the online space, filter bubble, fake news, net neutrality);
- knows the concept of cybercrime and cyber security;
- knows the basic legal-ethical (legal theoretical) nodes that help to interpret the legal challenges of technology (at legal theoretical level);
- knows the latest technological processes and trends that help to understand the social and legal challenges of technological achievements based on automation (artificial intelligence);
- knows the legal theoretical problems which are transformed into practical regulatory problems by the application of autonomous robots and artificial intelligence at a specific point in technological development;
- knows the business-economic model of online platforms (the principles of databased economy) and the possible regulatory solutions that can be used to regulate this specific service market;
- knows the specificities of the new media landscape, the regulatory reasons and solutions other than traditional publicity.

6.2. skills:

possesses the ability of:

- recognising the legal problems specific to the digital economy and acquiring the legal responses to them, taking into account the aspects of the law seeker, the legislator and the law enforcer at the same time;
- is capable to review the legal issues of the digital economy and modern technologies in the context of case-law;
- is capable to make appropriate and lawful decisions in connection to the digital economy and modern technologies and to learn about the latest supporting legal technologies;



- possesses the ability of being insightful and creative;
- is capable to develop an independent professional opinion in analyses based on sound knowledge;
- is capable to adopt a problem-focused approach and seek practical solutions to problems;
- is capable to manage tasks in a professional and systematic way;
- is capable to develop negotiation, communication and conflict management skills;
- is capable to increase the effectiveness of reviewing and organizing skills.

6.3. attitudes

- is open to authentically mediating and transmitting the overall thinking and essential features of the practice of his/her field of expertise;
- strives to solve problems possibly in cooperation with others;
- strives to make decisions in full compliance with the law and ethical standards even in unexpected decision-making situations requiring complex approach;
- undertakes and authentically represents the social role of his/her field of expertise and fundamental relationship with the world.

6.4. autonomy and responsibility:

- is ready to independently monitor changes in the legislative environment;
- consciously represents methods he/she uses in his/her field;
- takes ethical decisions regarding the disclosure of information and respects the privacy rights of citizens seeking justice;
- balances and harmonizes the interests of the professional community with his/her individual interests.

7. Characteristics of the postgraduate specialisation programme, the academic fields leading to the professional qualification and the proportion of credits from which the programme is built:

7.1. Basic knowledge: 25 credits

Data protection; Technology regulation; Impact of technologies on legal services; Electronic commerce law; Media law; Electronic communications law; Robot law.

7.2. Specialised knowledge: 35 credits

Data protection aspects of certain technologies (in particular blockchain, big data, IoT, cloud); The relationship between technologies and competition law; The relationship between technologies and labour law; Legal aspects of the platform economy (online



content portability, geoblocking, sharing economy, video sharing; e-commerce legal aspects, B2B fair contract terms, B2C consumer protection); Legal aspects of transport automation; Freedom of cyberspace (freedom of speech in the online space, filter bubble, fake news, net neutrality); Cybercrime; Cybersecurity.

ASSESSMENT AND VERIFICATION METHODS

Compulsory subjects:

Basic legal knowledge and specialised knowledge are compulsory subjects of the programme. Assessment of knowledge is based on oral or written examination. In the case of assessment by report, according to the lecturers' decision, students are given the opportunity to prepare a homework paper, which is graded by the lecturers with a mark.

Thesis requirements:

Students may prepare a thesis on a topic covered in one of the subjects included in the programme. The student works on the thesis topic under the guidance of the lecturer teaching the chosen subject as a supervisor. It is not excluded to work on a topic other than a compulsory subject, in this case the student may also choose an external supervisor. In this case, the student's work is supervised by the teacher of the course most closely related to the thesis topic as an internal supervisor. The minimum length of the thesis is 2 author's sheets, the preparation and evaluation of the thesis are governed by the provisions of the University's Academic and Exam Regulation. The defence of the thesis can be combined with the final examination, which is particularly recommended if the thesis topic is related to the scope of the final examination.

Credit value of the thesis: 30 credits.

Final examination:

The final examination is an oral examination consisting of the following subjects: Data Protection, Electronic commerce, Technology law and legal aspects of platform economy.

Qualification of the diploma:

The qualification of the diploma is based on the simple arithmetic average of the grades obtained for the final examination subjects and the grades for the thesis, rounded up to the nearest whole number: pass, satisfactory, good, very good and excellent.



APPLICATION

How to apply:

Applications should be submitted only electronically, by filling in the application form on the website of the postgraduate specialisation programmes:

<https://ajk.kre.hu/index.php/1209-digitalis-gazdasagi-szakjogasz-ll-m-szakiranyu-tovabbkepzesi-szak.html>

Tuition fee:

1. semester: 1.500 EUR

2. semester: 1.500 EUR

3. semester: 500 EUR

The tuition fee may be covered by the employer.

Registration fee:

The amount of the registration fee is 50 EUR. Proof of payment of the registration fee should be attached to the application.

Further information: <https://ajk.kre.hu/index.php/tk-felveteli-informaciok>



ORDER OF THE ACADEMIC YEAR

There is a 10-12-week study period for classes followed by a 6-week examination period for taking the exams.

Classes are held on Friday and Saturday according to the following order:

ON FRIDAY

- between 15:00 and 16:30 (2x45 minutes)
- between 16:45 and 18:15 (2x45 minutes)
- between 18:30 and 20:00 (2x45 minutes)

ON SATURDAY

- between 8:00 and 9:30 (2x45 minutes)
- between 9:45 and 11:15 (2x45 minutes)
- between 11:30 and 13:00 (2x45 minutes)
- between 13:15 and 14:45 (2x45 minutes)
- between 15:00 and 16:30 (2x45 minutes)

Location of the training:

Building “A” of the Faculty of Law of Károli Gáspár University of the Reformed Church in Hungary

(1042 Budapest, Viola utca 2-4.)

The University has a separate parking lot which is available to both lecturers and students.



LECTURERS OF THE TRAINING

LECTURER	WORKPLACE, AVAILABILITY
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dr. Bernát Török Director	University of Public Service
dr. Zsolt Zódi Senior Research Fellow	University of Public Service
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MODEL CURRICULUM

	Subject title	Semester	Number of contact hours per semester (lecture / seminar)		Total number of contact hours	Credit	Assessment
			lecture	seminar			
1	Data Protection	1 st semester	12		12	5	colloquium
2	<i>Freedom of Cyberspace (freedom of speech in the online space, filter bubble, fake news)</i>	1 st semester	10		10	5	colloquium
3	<i>Electronic Communications Law</i>	1 st semester	6		6	4	colloquium
4	<i>E-commerce Law</i>	1 st semester	10		10	4	colloquium
5	<i>Law and Technology (Technology Regulation) and Legal Technologies (Impact of Technologies on Legal Services)</i>	1 st semester	6		6	3	report
6	<i>Media Law</i>	1 st semester	8		8	5	colloquium
7	<i>Artificial Intelligence Law</i>	1 st semester	8		8	4	colloquium
Total in the 1st semester			60	0	60	30	
8	<i>Cyber Security</i>	2 nd semester	4		4	4	colloquium
9	<i>Cyber Crime</i>	2 nd semester	8		8	4	colloquium
10	<i>Privacy Aspects of Certain Technologies (blockchain, big data, IoT, cloud)</i>	2 nd semester	12		12	4	colloquium
11	<i>Legal Aspects of Transport Automation</i>	2 nd semester	8		8	4	colloquium
12	<i>Legal Aspects of Platform Economy I (portability of online content, geoblocking, sharing economy, video sharing)</i>	2 nd semester	8		8	4	colloquium
13	<i>Legal Aspects of Platform Economy II (legal aspects of the E-commerce, B2B fair contract terms, B2C consumer protection)</i>	2 nd semester	8		8	4	colloquium
14	<i>Technologies and Labor Law</i>	2 nd semester	6		6	3	colloquium
15	<i>Technologies and Competition Law</i>	2 nd semester	6		6	3	colloquium
Total in the 2nd semester			60	0	60	30	
	Thesis Consultation	3 rd semester			20	30	report
	<i>Coaching for Final Exam</i>	3 rd semester			10	0	signature
Total in the 3rd semester					30	30	
Total			120		150	90	



SYLLABUS

1st semester

Data Protection

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 12 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 5

Subject code: AJ DGSZJL190101K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. Dániel Eszteri, Dr. Ádám Liber

Assessment: colloquium

Professional learning outcomes:

Students should be able to recognise privacy issues and identify questions of law. The digitalisation, the expansion of information and communication opportunities and globalisation have placed “privacy” and the protection of personal data falling within its scope in a new context. The aim of the first semester course is to introduce students to the most important regulatory elements and legal institutions of the law on the protection of personal data. Familiarization with the legislation through case law will help to identify the enforcement issues that are common in the digital economy. The aim of the course is to enable students to formulate proposals for the application of law independently. By familiarising students with the institutional system and procedures, the course aims to prepare them to be confident in dealing with enforcement issues.



Course description:

1. Scope of the regulation on the protection of personal data. The concept of cross-border data processing. Extraterritorial scope of the GDPR.
2. Basic principles of data protection.
3. Obligations for data controllers. Data Protection Officer.
4. Subject's rights and means of enforcement. The right to be forgotten and the right to data portability.
5. Notification of a personal data breach to the authority. Data protection impact assessment.
6. Codes of conduct and certification.
7. Rules on data transfers to a third country.
8. Data protection authorities in the European Union. The activity centre and the single window.
9. Structure and procedures of the National Authority for Data Protection and Freedom of Information (NAIH).
10. Data protection fines under GDPR, sanctioned conduct.
11. Compensation and damages.
12. Privacy meets public interest: data disclosure in the economy.

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Maria Grazia Porcedda (Author), Tanya Aplin (Series Editor): Cybersecurity, Privacy and Data Protection in EU Law: A Law, Policy and Technology Analysis (Hart Studies in Information Law and Regulation)



Freedom of Cyberspace (freedom of speech in the online space, filter bubble, fake news)

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semesters: 10 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 5

Subject code: AJ DGSZJL190107K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. Bernát Török

Assessment: colloquium

Professional learning outcomes:

The aim of the subject is, after an introduction to press- and media law, to discuss the fundamental changes in the structure of public sphere caused by the internet as a medium and their legal consequences. The online public sphere challenges the validity of the classical conceptual frameworks of previous mass media theories and legal regulations, and encourages the development of new regulatory solutions. Besides exploring the changes in the structure of mass communication and presenting the responses to them, the lecture also strives to formulate *de lege ferenda* proposals to answer the unanswered questions. The course also provides the opportunity for case study and discussion in groups, subject to the willingness of the participating students.

Course description:

1. Freedom of speech in the online space – the impact of the internet public sphere to the concept and dogmatics of freedom of speech
2. Restructuring democratic discourses and regulatory challenges
3. Search engines
4. Social media, private service regulation, legal question marks
5. Filter bubble
6. Fake news and the dilemma of legal regulation
7. Unlawful content removal in the online space



Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Heritiana Ranaivoson (Editor), Sally Broughton Micova (Editor), Tim Raats (Editor): European Audiovisual Policy in Transition (Routledge Studies in Media and Cultural Industries)

Moore, Martin, and Damian Tambini (eds), *Regulating Big Tech: Policy Responses to Digital Dominance* (New York, 2021; online edn, Oxford Academic, 21 Oct. 2021)



Electronic Communications Law

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 6 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 4

Subject code: AJ DGSZJL190105K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. András Tóth, Dr. Balázs Bartóki-Gönczy

Assessment: colloquium

Professional learning outcomes:

The course presents the economic, global and EU regulatory background of electronic communications, the main steps and elements of liberalisation and harmonisation.

Course description:

1. Introduction: significance, concept, characteristics (convergence, digitalisation), fundamental rights issues (net neutrality, access)
2. Development of regulation: global, economic foundations
3. Model, pillars and elements of European regulation
4. Main elements of EU harmonisation regulation I: market regulation (JPE), market entry, spectrum management
5. Main elements of EU harmonisation regulation II: data protection, consumer protection, network security
6. Competition law enforcement in electronic communications markets

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Andrej Savin: EU Telecommunications Law, [Elgar European Law series](#), 2018



Electronic Commerce Law

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 10 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 4

Subject code: AJ DGSZJL190103K

Prerequisite: none

Course leader: Dr. Gergely Székely

Course instructor(s): Dr. Gergely Székely

Assessment: colloquium

Grading: grade on a scale of 1-5

Professional learning outcomes:

The aim of this course is to provide a comprehensive overview of the legal regulation of information society services, the types of service providers, the general rules and the specific rules relating to certain intermediary service providers performing different activities, in particular the liability framework for service providers. The course also covers specific dimensions related to electronic commerce services, such as data protection and consumer protection.

Course description:

1. Basic concepts of electronic commerce law: information society services, electronic commerce services, intermediary service providers, etc.
2. The source of electronic commerce law
3. Regulation of electronic contracting
4. Types and characteristics of service providers involved in electronic commerce
5. General and specific liabilities of intermediary service providers
6. Border areas of electronic commerce: electronic advertising, data protection, consumer protection



Learning aids for the acquisition of knowledge, skills and competences:

The material presented in the lectures in full and the literature indicated by the instructor.

EU Regulation of E-Commerce, A Commentary, 2nd edition, [Elgar Commentaries in European Law series](#), Edited by Arno R. Lodder and Andrew D. Murray, 2022



Law and Technology (Technology Regulation) and Legal Technologies (Impact of Technologies on Legal Services)

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 6 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 3

Subject code: AJ DGSZJL190102K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. András Tóth, dr. Zsolt Zódi

Assessment: written report

Professional learning outcomes:

The course aims to present the differences between the regulatory approaches of destructive and unknown technologies and the impact of these technologies on the work of jurists.

Course description:

1. Legal challenges of the regulation of technologies: the difference between regulatory approaches of destructive and unknown technologies
2. The impact of technologies on legal work

Grading: rating in a three-grade scale (fail, pass, pass with distinction)

Learning aids for the acquisition of knowledge, skills and competences:

Dimension of technology Regulations, eds.: Morag Goodwin, Bert-Jaap Koops, Ronald Leenes, Wolf Legal Publishers, 2010



Media Law

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 5

Subject code: AJ DGSZJL190104K

Prerequisite:

Course leader: Dr. András Tóth

Course instructor(s): Dr. Anita Szalai

Assessment: colloquium

Professional learning outcomes:

The aim of the course is to provide a comprehensive overview on the legal framework of the operation of the press and media, the theoretical issues and normative rules of the specific, intersecting branch of law known as press and media law. The course covers the constitutional basis of the regulation, since a decisive aspect of the regulation of press and media law is the consistent enforcement of the fundamental rights dimension. In addition to the introduction to the audiovisual policy of the European Union, a detailed analysis of the Hungarian media legislation will also be presented. A particular emphasis is placed on the theoretical issues behind the rules of substantive law.

Course description:

1. Constitutional foundations of media law: freedom of speech and freedom of the press, fundamental rights tests and their implications for media law, theoretical foundations of media regulation
2. The legal source system for media regulation
3. The European Council's media policy and the EU aspects of media regulation
4. The rights of freedom of the press and their manifestations in media law (freedom of establishment – market entry rules, freedom of editing – content regulation, prohibition of censorship – possibilities of prior restriction)
5. Constitutional content and regulatory instruments of media pluralism



6. Structural regulation
7. Content regulation
8. The rules on journalistic activity
9. Media law rules for commercial communications
10. Specific regulation of certain media content services, basic categories of differentiated regulation, reasons and consequences
11. Official supervision of the media: organisation, operation, rules of procedure of the media administration. Media law liability.

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Heritiana Ranaivoson (Editor), Sally Broughton Micova (Editor), Tim Raats (Editor): European Audiovisual Policy in Transition (Routledge Studies in Media and Cultural Industries)



Artificial Intelligence Law

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 1st semester

Semester of announcement: 1st semester

Credit value: 4

Subject code: AJ DGSZJL190106K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. Zsolt Zódi, Dr András Tóth

Assessment: colloquium

Professional learning outcomes:

Introduction to the theoretical and practical directions and models of one of the major challenges facing legal regulation. In addition to the presentation and group work on the legal documents that are already known today and that are expanding day by day, the Robot Law course aims at exploring the possible requirements of future robot law and at laying down moral and model value legal “golden rules” for the future of humanity. The course will dispel social prejudices about robots, but will also reveal the dangers of early, late or inappropriate content in legislation. During the processing of the topics, a particular emphasis is placed on the theoretical and ethical foundation, given that the subject of robot law is constantly maturing and changing from day to day.

Course description:

1. Conceptual foundations of the Robot Law
2. The framework for robot law regulation
3. Problems with the robot’s legal personality
4. Liability issues in robot law
5. The European Union’s legal and pseudo-legal documents on robotics
6. Legal problems of certain robotic technologies
7. Public law problems related to robots



Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Regulating Artificial Intelligence, [Thomas Wischmeyer](#) (Editor), [Timo Rademacher](#), Springer
1st ed. 2020

Ryan Calo – A. Michael Froomkin – Ian Kerr: Robot Law, Edward Elgar Publishing,
Cheltenham, UK – Northampton (USA), 2016.

Ugo Pagallo: The Laws of Robots: Crimes, Contracts, and Torts, Cham, Springer 2013.



SYLLABUS

2ND SEMESTER

Cyber Security

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 4 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 4

Subject code: AJ DGSZJL190208K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. András Tóth, Dr. Balázs Fazekas

Assessment: colloquium

Professional learning outcomes:

The course covers EU legislation on cyber security.

Course description:

1. Conceptual frameworks
2. The EU regulatory system
3. EU regulation on resilience of network and information systems
4. Data protection provisions for the security of network and information systems

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Maria Grazia Porcedda (Author), Tanya Aplin (Series Editor): Cybersecurity, Privacy and Data Protection in EU Law: A Law, Policy and Technology Analysis (Hart Studies in Information Law and Regulation)



Cyber Crime

Language of education: English

Department: Institute of Criminal Sciences

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 4

Subject code: AJ DGSZJL190207K

Prerequisite:

Course leader: Prof. Dr. Andrea Domokos

Course instructor(s): Prof. Dr. Andrea Domokos

Assessment: colloquium

Professional learning outcomes:

States seem to have underestimated the dangers of cyber-attacks in their legislation so far. This requires decisive, fast and professional actions at international, European and national level against crime in the digital space. The threat and impact of cybercrime can be compared with the rapid spread of designer drugs and organized crime. Immediate response and special protection are justified for this type of crime. It is necessary to deal with the improvement of the criminal procedure, the provisions of the current Hungarian Criminal Code as well as the responses of substantive law. It is crucial to define cybercrime, and grouping within this helps to distinguish between different types of crime (conventional crime in the digital space, IT crimes linked to the IT environment, offensive or content-related abuses).

Course description:

1. Conceptual definition of cybercrime
2. International and national history of legal responses to cybercrime
3. Substantive criminal law responses to crime in the digital space
4. The Criminal Procedure Act and the prosecution of cybercrime
5. Criminal policy, crime prevention in relation to digital crime



Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

[Sarah J Summers](#), [Christian Schwarzenegger](#), [Gian Ege](#): The Emergence of EU Criminal Law: Cyber Crime and the Regulation of the Information Society (Studies in International and Comparative Criminal Law), Hart Publishing, 2014

McQuade, S.C.: Understanding and managing cybercrime. Allyn and Bacon, Boston, 2006.

UNICEF Innocenti Research Centre study: source:

http://www.unicef.ca/sites/default/files/imce_uploads/TAKE%20ACTION/ADVOCATE/DOCS/Child_Safety_online_Globa_challenges_and_strategies.pdf



Privacy Aspects of Certain Technologies (blockchain, big data, IoT, cloud)

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 12 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 4

Subject code: AJ DGSZJL190201K

Prerequisite: none

Course leader: Dr. Endre Győző Szabó

Course instructor(s): Dániel Eszteri, Dr. Endre Győző Szabó

Assessment: colloquium

Professional learning outcomes:

Based on the course “Data Protection” taught in the first semester, the course examines selected technologies from a data protection perspective. The course aims at the practical application of the acquired regulatory knowledge, preparing students to be able to answer questions concerning the legal compliance of technology, in particular with regard to data protection regulation, both in the design and implementation phases. Through learning this course, the aim is to prepare students to be able to identify and analyse independently and critically the issues arising from the use of different technologies, including those that may lead to conflicts due to the specificities of business / ownership interests. The knowledge to be acquired can be applied to project management tasks and organisational management.

Course description:

1. The conflict between privacy and technology. Human dignity issues in the context of technology.
2. Privacy principles in the area of technology: privacy by design and privacy by default. Profiling rules.
3. Issues of consent and balancing of interest. Children’s consent when using information society services.
4. Transparency and user information.
5. Internet of things and location.



6. Location in employment relationship.
7. Privacy issues of biometric identification.
8. Legal analysis of data protection on social networking sites.
9. Data protection in bilateral markets. Data management of search engines. The Google judgement.
10. The relationship between drones and privacy. Possibilities for lawful use.
11. Privacy aspects of blockchain technology.
12. Privacy aspects of cloud services.
13. The individual as user and data controller. The user's freedom and legal responsibility for data protection.

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Maria Grazia Porcedda (Author), Tanya Aplin (Series Editor): Cybersecurity, Privacy and Data Protection in EU Law: A Law, Policy and Technology Analysis (Hart Studies in Information Law and Regulation)



Legal Aspects of Transport Automation

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 4

Subject code: AJ DGSZJL190206K

Prerequisite: none

Course leader: Prof. Dr. Sándor Tibor Udvary

Course instructor(s): Prof. Dr. Sándor Tibor Udvary

Assessment: colloquium

Professional learning outcomes:

The automation of transport is a long-running and accelerating process, the technological conditions for which have now improved to such an extent that it is moving towards (almost) full automation. The law must respond to the challenges where traditional driver-passenger concepts are transformed, or even disappear, and the current system of traffic management is transferred first to human-machine cooperation and then even to machine control. Regulation depending closely on the state of technology should provide a framework for the introduction and regulation of the product. The aim of the course is to familiarise students with the basic elements of self-driving technology and to give a legally assessable definition of the vehicle with self-driving capacity. As a consequence, the course deals with the current regulation of driver-passenger issues, the transitional rules of the testing environment, and the expectable changes in the concepts. During the course, we will analyse the basic safety requirements necessary for the product to enter the market and the possible legal conditions for market entry (e.g. insurance). The analysis also covers the relationship between control intelligence and hardware (the robot driver and the car itself), and the legally significant differences between singular and linked (individual and network connected) vehicles. We discuss the basics of liability issues for the unexpected traffic incidents that are subject to detailed regulation under the current liability regime: contractual or tortious liability, with the latter depending on the choice of the form of liability, in each case depending on the facts and causality. Finally, we touch on cybersecurity and highlight possible changes in criminal law.

**Course description:**

1. Introduction, outlining the technical background behind the legislation, SSDV-LSDV, C2P-C2A-C2E communication
2. Justified changes to the basic transport concepts (driver-passenger-operator-owner)
3. The personality of self-driving intelligence and responsibility for its actions
4. Cybersecurity and criminal law consequences
5. US and European trends and regulatory solution model concepts

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

[Kyriaki Noussia](#) - [Matthew Channon](#): The Regulation of Automated and Autonomous Transport, Springer, 1st ed. 2023 Edition,



Legal Aspects of Platform Economy I (portability of online content, geoblocking, sharing economy, video sharing)

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 4

Subject code: AJ DGSZJL190204K

Prerequisite: none

Course leader: Dr. András Tóth

Course instructor(s): Dr. András Tóth, dr. Zsolt Zódi

Assessment: colloquium

Professional learning outcomes:

The aim of the course is to provide a comprehensive overview of the general legal regulatory issues of the platform economy created by online platforms, and to present the legal and regulatory characteristics of some of the most important platform services.

Course description:

1. Characteristics of the platform economy and the directions for legislation
2. Framework for the portability of online content in the internal market of the European Union
3. Legal aspects of geoblocking
4. Legal aspects of the sharing economy
5. Legal regulation of video sharing platform services

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Marco Inglese: Regulating the Collaborative Economy in the European Union Digital Single Market, Springer; 1st ed. 2019 edition (November 11, 2019)



Legal Aspects of Platform Economy II ((legal aspects of the E-commerce, B2B fair contract terms, B2C consumer protection))

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 8 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: spring semester

Credit value: 4

Subject code: AJ DGSZJL190205K

Prerequisite:

Course leader: Dr. András Tóth

Course instructor(s): Dr. Zsolt Zódi, Dr. András Tóth

Assessment: colloquium

Professional learning outcomes:

The aim of the course is to present the commercial law aspects of the platform economy, including e-commerce aspects, fairness and consumer protection requirements for B2B (business to business) and B2C (business to consumer) contracts.

Course description:

1. A general introduction to commercial law issues of the platform economy
2. Legal aspects of e-commerce in the platform economy
3. Fair contract terms of B2B contracts concluded in the framework of platform services
4. Consumer protection aspects of B2C contracts concluded in the framework of platform services

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Marco Inglese: Regulating the Collaborative Economy in the European Union Digital Single Market, Springer; 1st ed. 2019 edition (November 11, 2019)



Technologies and Labor Law

Language of education: English

Department: Department of Labour and Social Law

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 6 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 3

Subject code: AJ DGSZJL190203K

Prerequisite:

Course leader: Prof. Dr. Attila Sándor Kun

Course instructor(s): Prof. Dr. Attila Sándor Kun

Assessment: colloquium

Professional learning outcomes:

Modern technologies, automation and digitalisation are radically transforming the world of work in many ways. With the development of technology, digitalization has also brought fundamental changes to the world of work, thus creating many challenges for labour markets and labour law regulation.

The aim of this course is to provide an analytical overview of the main challenges of labour law in the context of digitalization and to highlight possible practical directions, future dilemmas and alternatives for addressing these challenges. The course also covers the theoretical issues of labour law context of digitalization, the impacts of robotization and automation, the major labour law dilemmas of the platform economy, the labour law relevance of some modern technologies, and the collective labour law and occupational health dimensions of these issues. Through the processing of the course material, the aim is to prepare and enable students to identify and evaluate the impact of different technologies and digitalisation on labour law, both in theory and in practice, in an independent and critical way.

Course description:

1. Impact of modern technologies, digitalisation, automation, robotization, Industry 4.0 on labour markets and jobs
2. The importance of Life Long Learning and its labour law aspects
3. Types, legal framework and challenges of platform working



4. New forms of work and the classification dilemma
5. The impact of modern technologies on certain elements of work (time, space, equipment, assessment, etc.)
6. Occupational health and liability implications of modern technologies
7. Modern technologies and collective labour law, employment relations
8. Social media and labour law
9. Bring your own device (BYOD)
10. Data management in labour law (in the light of modern technologies)
11. Modern technologies and worker control I
12. Modern technologies and worker control II

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Valerio de Stefano: The Rise of the "Just-in-Time Workforce": On-Demand Work, Crowdwork, and Labor Protection in the Gig Economy. International Labour Office – Geneva, Conditions of Work and Employment Series No. 71., 2016.

Kovács Erika: Regulatory Techniques for ‘Virtual Workers’, Hungarian Labour Law E-Journal 2017/2.

Jeremias Prassl – Martin Risak: The Legal Protection of Crowdworkers: Four Avenues for Workers’ Rights in the Virtual Realm. In: Pamela Meil – Vassil Kirov (szerk.): Policy Implications of Virtual Work. Dynamics of Virtual Work, Palgrave Macmillan, Cham, 2017. 273-295. o.



Technologies and Competition Law

Language of education: English

Department: Department of Public Administration and Infocommunication

Course type: compulsory

Work schedule: correspondence

Number of contact hours per semester: 6 contact hours (lectures)

Recommended semester: 2nd semester

Semester of announcement: 2nd semester

Credit value: 3

Subject code: AJ DGSZJL190202K

Prerequisite:

Course leader: Dr. András Tóth

Course instructor(s): Dr. András Tóth

Assessment: colloquium

Professional learning outcomes:

The course provides a comprehensive insight into competition law practice in relation to technologies.

Course description:

1. Competition law limitation of intellectual property ensuring technological development
2. Standards and patents in competition law practice (Article 101)
3. Patent abuses (Article 102)
4. Competition law aspects of the data-based economy
5. Competition law aspects of online platforms
6. Algorithms and competition law

Grading: grade on a scale of 1-5

Learning aids for the acquisition of knowledge, skills and competences:

Moore, Martin, and Damian Tambini (eds), *Regulating Big Tech: Policy Responses to Digital Dominance* (New York, 2021; online edn, Oxford Academic, 21 Oct. 2021)

Ariel Ezrachi (Author), Maurice E. Stucke: *How Big-Tech Barons Smash Innovation—and How to Strike Back*, Harper Business (June 28, 2022)



LIST OF THESIS TOPICS

- Internet law e.g. legal tools to fight against fake news, liability for illegal content, net neutrality debate and its legal treatment, fundamental rights aspects of Internet access
- Other topics agreed with the lecturer in advance
- Cybercrime, the new challenge
- The role of the Data Protection Officer in promoting compliance with data protection rules within the controller's organization
- Changes to the concept of driver with the introduction of self-driving cars
- The impact of digitalisation on a selected core institution of labour law (e.g. working time, occupational health, work equipment, workplace, trade union activity, collective bargaining, etc.)
- Law and technology: key issues in technology regulation
- Control of autonomous vehicles: legal aspects of artificial intelligence as a decision maker
- Fraud committed using an information system
- Privacy law analysis of cloud services
- Legal status and liability of new media gate keepers
- Cyberspace security regulation (except criminal law!)
- Regulatory challenges of artificial intelligence
- Regulatory issues in spectrum management
- Privacy analysis of social networking sites
- The legal situation of video sharing platform providers, in particular in view of the AVMS Directive and directions for further development of legal enforceability
- Consumer protection in the digital age
- Legal issues of "platform-work" (crowdwork, „work-on-demand via apps")
- Net neutrality
- Issues of independence of data protection supervisory authorities
- Alignment of the EU's draft E-Privacy regulation and the General Data Protection Regulation
- Regulatory issues for drones and self-driving cars, in particular with a special focus on liability
- Disruptive technologies or legal aspects of the sharing economy
- Automation and robotics in the workplace
- "Smart work"



- Decentralised data management technologies (e.g. blockchain)
- Regulatory challenges of artificial intelligence
- The impact of digitalisation as a technological development on the freedom of the press and its implications for media regulation
- The impact of the filter bubble and fake news on democratic discourse and the framework for legal action
- Privacy aspects of new technologies: e.g. artificial intelligence, biometric identification
- EU regulation of electronic communications (in particular the new European Electronic Communications Code)
- Certain legal aspects of the platform economy e.g. portability of online subscriptions, prohibition of territorial restrictions, fairness requirements for commercial terms applied to business users
- Automatic decision-making and profiling
- Privacy dilemmas of biometric identification
- Regulatory dilemmas and challenges of the EU'S draft E-Privacy Regulation
- Privacy issues of social networks and search engines
- The impact of technologies on the legal profession: advocacy, justice
- Liability issues for self-driving cars
- Cooperation between data protection authorities in the European Union according to the GDPR
- The role of the Data Protection Officer in promoting compliance with data protection rules within the controller's organisation
- The development, practice and transformation of no filtering mechanism in the light of Article 17 of EU Directive 2019/790
- The market model of social media platforms and their relation to freedom of expression, the specifics of service filtering and private standardisation and adoption
- Regulatory issues for technologies of unknown impact (e.g. nanotechnology, genetic modification/editing)
- The role of Life Long Learning (LLL) in the transformation of the world of work
- Authorization issues for self-driving technology
- Data protection impact assessment
- Machine learning and AI privacy issues
- The impact of digitalization as a technological development on the freedom of the press and its implications for media regulation
- Some data protection and fundamental rights challenges of employer inspections



- Data protection incidents and their handling
- Conflict between privacy and technology in the world of work
- Law and technology: key issues in technology regulation
- Consumer protection in the digital age
- Cooperation between data protection authorities in the European Union according to the GDPR
- Some legal aspects of the platform economy e.g. portability of online subscriptions, prohibition of territorial restrictions, fairness requirements for commercial terms applied to business users
- Control of autonomous vehicles: legal aspects of artificial intelligence as a decision maker
- Licensing issues for self-driving technology



GENERAL FORMAL REQUIREMENTS FOR THE THESIS

- page size: A/4
- style: normal
- font: Times New Roman
- font size: 12
- Spacing: 1,5
- tab: default: 1,25 cm
- justification: line spacing
- print format single-sided
- end-of-line word separation (if necessary)
- paragraph indent: 1,25 cm to the right
- margin:
 - o left: 3 cm
 - o right: 2 cm
 - o top: 2 cm
- footnote references
- The word 'thesis', the title of the thesis, the name of the author of the thesis and the year of submission should be written on the outside cover of the bound thesis
- On the first page of the thesis, the full name of the faculty, the thesis title, the name of the author, the name of the supervisor and the department (degree programme) within which the thesis was written.

- Minimum length: 80,000 characters with spaces



FINAL EXAMINATION QUESTIONS

Data Protection (general part)

1. Describe the main rules on the scope of the GDPR.
2. What is the most important role and task of the Data Controller Officer?
3. Describe the risk-proportionate levels related to the notification of a data protection incident, and, in the most serious case, explain the obligations of the data controller.
4. Describe the corrective powers of the data protection supervisory authority.

Data Protection (specific part))

1. Briefly describe the principles of accountability, privacy by design and privacy by default and their relevance in the context of technology and privacy.
2. Describe the privacy risks of biometric identification and the use of biometric data.
3. Demonstrate the balancing of competing interests in the Costeja vs. Google decision – the exercise of rights by the concerned party in relation to removal from the list of search engine's search results list (delisting)
4. What is the relationship and conflict between blockchain technology and data protection?

Electronic Commerce Law

1. The regulatory frameworks for e-commerce services in the EU
2. Scope of the e-commerce directive
3. Liability rules for information society services
4. Rules on concluding contract by electronic means
5. Special rules for electronic advertising and special consumer protection rules for information society services
6. The e-commerce service as a platform service

Technology regulation and legal aspects of platform economy

1. Describe the two main guiding principles and approaches to regulating technologies
2. Describe the regulatory techniques which are important for the technologies
3. Describe the aspects of digital transformation, the economic implications and the major global strategies
4. Describe the main safeguards of the EU's digital sovereignty and provide an overview of the major areas of EU digital regulation



5. Present the platforms and their business models. Describe the EU'S Geoblocking Regulation.
6. Provide an overview of the EU legislation on online platforms. Describe the regulatory framework for the portability of online content in the European Union.
7. Present the main regulatory challenges for online platforms. Describe EU legislation ensuring fair contract terms for B2B contracts concluded within the framework of platform services, in particular with regard to DMA and DSA proposals
8. Describe the key regulatory issues in the sharing economy
9. Present the key consumer protection issues in the platform economy
10. Present the key competition law aspects of the platform economy

Qualification of the Diploma

- The average of the grade obtained from the arithmetic average of the thesis assessments and the grade received for the thesis defence, rounded to two decimals.
- The qualification of the diploma is the arithmetic average of the grade for the thesis and the grade for the final examination topics (to two decimals).

excellent if the average: 4,51 – 5,00
good if the average: 3,51 – 4,50
satisfactory if the average: 2,51-3,50
pass if the average: 2,00 – 2,5