

## STRUCTURE OF THE DOCTORAL STUDY SUBJECT

Title of the subject	Field of science (branch) code	Faculty	Department
<b>Legal Regulation of Artificial Intelligence</b>	Law (01 S)	Law	Private Law
Study method	Number of credits	Study method	Number of credits
Lectures	-	consultations	2
Individual work	4	seminars	-
Subject annotation			
<p>The subject of legal regulation of artificial intelligence is designed to develop the ability to deepen the regulatory context of the development and application of artificial intelligence methods, emerging ethical challenges and institutional capacity to respond to the development and application of IoT methods in practice. This ability will be developed by the doctoral student independently studying the special literature (the main sources are listed below) and by critically analyzing the legal acts and case law related to the subject of the study subject.</p> <p>Topics analyzed: the main challenges posed by human rights and ethics in the development and application of artificial intelligence methods; major global trends in the development and application of artificial intelligence methods; adaptation of the regulatory environment, national and supranational legal systems to the effective and ethical application of IoT methods; scientific discussions on the responsibilities of artificial intelligence; Cases, potential and problems of applying artificial intelligence in the field of law.</p> <p>After completing the study, the doctoral student will have the necessary basic knowledge about the current regulatory environment of IoT methods, will be able to identify the most important international documents regulating the development and application of IoT methods, will be competent to assess the problematic legal situations related to the practical application of artificial intelligence methods. Also, the doctoral student will be able to analyze the selected ethical or other problem of legal regulation caused by the development and application of artificial intelligence methods in a broader context of theoretical problems of law, to apply various methods of legal research to the assessment and solution of the problem.</p>			
Main literature			
1. BALKIN, J., The Three Laws of Robotics in the Age of Big Data, <i>Ohio State Law Journal</i> , Vol. 78, 2017;			
2. BODDINGTON, P., <i>Towards a Code of Ethics for Artificial Intelligence</i> . Springer, 2017;			
3. BUITEN, M. C., Towards Intelligent Regulation of Artificial Intelligence, <i>Symposium on Regulating the Risk of Disruptive Technology</i> , Vol. 10, Issue 1, 2019, p. 41-59;			
4. CALO, R., Robots and Privacy. In <i>Robot Ethics: The Ethical and Social Implications of Robotics</i> , The MIT Press, 2012;			
5. HALLEVY, G., <i>Liability for Crimes Involving Artificial Intelligence Systems</i> . Springer, 2016;			
6. KROLL, J. A. et al. Accountable Algorithms, <i>University of Pennsylvania Law Review</i> , Vol. 165 (3), 2017, p. 633-706;			
7. <i>Liability for Artificial Intelligence and Internet of Things</i> . Editors: S. Lohsse, R. Schulze, D. Staudenmayer. Nomos, 2018;			
8. RASO, F. A. et al. <i>Artificial Intelligence &amp; Human Rights: Opportunities &amp; Risks</i> . Berkman Klein Center for Internet & Society at Harvard University, Research Publication No. 2018-6, 2018, < <a href="http://dx.doi.org/10.2139/ssrn.3259344">http://dx.doi.org/10.2139/ssrn.3259344</a> >;			
9. REED, C., How should we regulate artificial intelligence? <i>Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , Vol. 376, Issue 2128, 2018, < <a href="https://doi.org/10.1098/rsta.2017.0360">https://doi.org/10.1098/rsta.2017.0360</a> >;			
10. <i>Robotics, AI and the Future of Law</i> . Editors: M. Corrales, M. Fenwick, N. Forgó. Springer, 2018;			
11. SCHERER, M. U., Regulating Artificial Intelligence Systems: Risks, Challenges, Competences, and Strategies, <i>Harvard Journal of Law &amp; Technology</i> , Vol. 29 (2), 2016, p. 353-400;			
12. <i>Artificial Intelligence and Data Protection: Challenges and Possible Remedies</i> . Consultative Committee of the Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data, 2018, < <a href="https://rm.coe.int/report-on-artificial-intelligence-artificial-intelligence-and-data-pro/16808e6012">https://rm.coe.int/report-on-artificial-intelligence-artificial-intelligence-and-data-pro/16808e6012</a> >;			
13. <i>Ethics Guidelines for Trustworthy AI</i> . High-Level Expert Group on Artificial Intelligence (an			

independent expert group that was set up by the European Commission in June 2018), 2019, < <a href="https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=60419">https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=60419</a> >;		
14. Artificial Intelligence and Law, < <a href="https://link.springer.com/journal/10506">https://link.springer.com/journal/10506</a> >.		
Names, surnames of advising lecturers	Science degree	Major works in the area (direction) of science published over the last 5 years
Tomas Davulis	Prof. dr.	DAVULIS T. New forms of employment in Lithuania. New forms of employment in Europe. Alphen aan den Rijn : Wolters Kluwer, 2016. p. 115-143.
		DAVULIS T. Uber and taxis: a comparative law study in Lithuania. In: <i>Uber and Taxis: Comparative Law Studies</i> (Eds. Rozen Noguellou, David Renders), Larcier, 2018, p. 293-308.
		DAVULIS T. <i>Lietuvos Respublikos darbo kodekso komentaras (Commentary of the Labour Code of the Republic of Lithuania)</i> . Vilnius, 2018, 770 p.
		DAVULIS T. The concept of 'employee': the position in Lithuania. In: <i>Restatement of Labour Law in Europe</i> . Vol. I: The Concept of Employee (Eds. Bernd Waas, Guus Heerma van Voss). Oxford: Hart Publishing, 2017, p. 391-404.
Rimantas Simaitis	Doc. Dr.	BRAZDEIKIS, A.; NEKROŠIUS, V.; SIMAITIS, R.; VĖBRAITĖ, V. <i>Asmens teisės į civilinės bylos išnagrinėjimą per protingą laiką įgyvendinimo sąlygos</i> . Mokslo studija. Vilnius: Vilniaus universiteto leidykla, 2016 (ISBN 978-609-459-752-7).
		NEKROŠIUS, V.; SIMAITIS, R.; VĖBRAITĖ, V.; BRAZDEIKIS, A. <i>Electronification of civil justice in Lithuania</i> . Prawo mediow elektronicznych. Warszawa: C.H. Beck, 2017. p. 34-39.
		NEKROŠIUS, V., SIMAITIS, R., VĖBRAITĖ, V., BRAZDEIKIS, A. <i>Grupės ieškinys kaip Lietuvos civilinio proceso spartinimo priemonė</i> . Teisė, 2016, T. 98. p. 16-26 (ISSN: 1392-1274).
		NEKROŠIUS, V., SIMAITIS, R., VĖBRAITĖ, V., BRAZDEIKIS, A. <i>Abuse of procedure, delay and sanctions</i> . Polski proces cywilny. Krakow: Towarzystwo Naukowe Procesualistów Cywilnych, 2016, No 2. p. 203-222 (ISSN: 2082-1743).
Donatas Murauskas	Dr.	MURAUSKAS D. Ekspertinis vertinimas teisėkūros procese: tarp diskrecijos ir konstitucinių imperatyvų. Iš <i>Teisės viršenybės link</i> . Vilniaus universiteto leidykla, 2019.
		MURAUSKAS D. Valstybės ir bažnyčios santykiai konstitucinėje jurisprudencijoje: tarp atskyrimo ir atskirumo. <i>Teisė</i> , 106 t., 2018.
		MURAUSKAS D. Lietuvos Respublikos Konstitucinis Teismas ir laikas: optimalaus rezultato beiėškant. Iš <i>Konstitucionalizmo idėja, bendroji Europos teisė ir Lietuvos konstitucinė tradicija</i> . Vilnius: Vilniaus universiteto leidykla, 2016.
		MURAUSKAS D. Tilindė A. Neutralumas kaip teisingumo konstanta. <i>Lietuvos vyriausiojo administracinio teismo biuletenis</i> Nr. 28, 2014 m. liepa–gruodis.
Approved by the Doctoral Committee of the Vilnius University Law Studies on December 2, 2021, Protocol No. (7.17 E) 15600-KT-12		
Chairman of the Doctoral Committee		Prof. Dr. T. Davulis