

Description (exam material)

<b>LEGAL INFORMATICS</b>	
1) Doctoral programme	Historical and Theoretical Legal Sciences, Comparative Law
2) Effective from	01 March 2026
3) Topics	
1.	Artificial intelligence and law, use of generative AI systems
2.	Legal databases, expert systems, alternative electronic data and information sources
3.	IT solutions, challenges, and trends supporting legal activities
4.	Research in legal informatics
4) Resource materials used in the examination	
<ul style="list-style-type: none"> <li>• Zoe E. Niesel, Arbitrary and Capricious x Artificial Intelligence, 25 Minn. J.L. Sci.&amp; Tech. 1 (2024).</li> <li>• Dehghani, F., Dehghani, R., Naderzadeh Ardebili, Y., &amp; Rahnamayan, S. (2025). Large language models in legal systems: A survey. Humanities and Social Sciences Communications, 12, Article 1977. <a href="https://doi.org/10.1057/s41599-025-05924-3">https://doi.org/10.1057/s41599-025-05924-3</a></li> <li>• Terzidou, K. (2025). Generative AI systems in legal practice offering quality legal services while upholding legal ethics. International Journal of Law in Context. <a href="https://www.cambridge.org/core/services/aop-cambridge-core/content/view/34011A84AA58A2BAB556A406A4653A8D/S1744552325000047a.pdf">https://www.cambridge.org/core/services/aop-cambridge-core/content/view/34011A84AA58A2BAB556A406A4653A8D/S1744552325000047a.pdf</a></li> <li>• Guha, N., Nyarko, J., Ho, D. E., Ré, C., Chilton, A., Narayana, A., ... Li, Z. (2023). LegalBench: A collaboratively built benchmark for measuring legal reasoning in large language models. arXiv. <a href="https://arxiv.org/pdf/2308.11462">https://arxiv.org/pdf/2308.11462</a></li> <li>• Premasiri, D., Ranasinghe, T., Mitkov, R., El-Haj, M., &amp; Frommholz, I. (2025). <i>Survey on legal information extraction: Current status and open challenges. Knowledge and Information Systems</i>, 67, 11287–11358. <a href="https://doi.org/10.1007/s10115-025-02600-5">https://doi.org/10.1007/s10115-025-02600-5</a></li> <li>• Wolters Kluwer Future Ready Lawyer Report, 2024</li> <li>• LexisNexis Legal Tech Trends of 2025</li> <li>• Legal Tech trend reports</li> <li>• Salami, Emmanuel, A Brief Overview of Legal Informatics (May 10, 2017). Available at SSRN: <a href="https://ssrn.com/abstract=2966201">https://ssrn.com/abstract=2966201</a> or <a href="http://dx.doi.org/10.2139/ssrn.2966201">http://dx.doi.org/10.2139/ssrn.2966201</a></li> </ul>	
5) Instructor responsible for the description of the exam material	Peter Kovacs, PhD, Associate Professor