



Postgraduate Course AI IN LEGAL PRACTICE AND ITS REGULATION

2026/2027

Curricular unit

AI for Lawyers and Prosecutors

Responsible Academic staff and respective workload in the curricular unit

João Marques Martins / Alexandre Zavaglia / Uwe Ewald / Filipe Rodrigues / Carlos Pinho

Syllabus

→ 1st Week

AI for prosecutors

- AI-driven tools for criminal investigation
- AI in forensic mass data analysis
- Legal limits to the use of AI in criminal prevention and investigation

→ 2nd Week

AI for lawyers

- Legal chatbots
- AI compliance

Teaching methodologies

Seminars

Main Bibliography

→ AI for prosecutors

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- EUROPOL - *AI and Policing: The Benefits and Challenges of Artificial Intelligence for Law Enforcement*. The Hague: Europol Innovation Lab Observatory, 2025 <https://www.europol.europa.eu/cms/sites/default/files/documents/AI-and-policing.pdf>;
- MICHELET, Gaetan / BREITINGER, Frank - "ChatGPT, Llama, can you write my report? An experiment on assisted digital forensics reports written using (local) large language models" in *Forensic Science International: Digital Investigation*, ELSEVIER, 48, 2024, pp. 1-10;
- SIMMLER, Monika / BRUNNER, Simone / CANOVA, Giulia / SCHEDLER, Kuno - "Smart criminal justice: exploring the use of algorithms in the Swiss criminal justice system" in *Artificial Intelligence and Law* (<https://doi.org/10.1007/s10506-022-09310-1>);
- TOBIN, Lee / GLADYSHEV, Pavel - "Consistent pathway analysis: a structured analytic method" in *Artificial Intelligence and Law*, 27, 2019, pp. 1-14;
- SCHUILENBURG, Marc / SOUDJIN, Melvin - Big data policing: The use of big data and algorithms by the Netherlands Police, in *Policing: A Journal of Policy and Practice*, 2023, 17, 1-9



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- WICKRAMASEKARA, Akila / BREITINGER, Frank / SCANLON, Mark – “Exploring the potential of large language models for improving digital forensic investigation efficiency” in *Forensic Science International: Digital Investigation*, 52, ELSEVIER, 2025, pp. 1-16.

→ AI for lawyers

- AA – Guide on the use of Artificial Intelligence – based tools by lawyers and law firms in the EU. Council of Bars and Law Societies of Europe / European Lawyers Foundation, 2022 (<https://ai4lawyers.eu/>);

- BAGHERIAN-MARANDI, Navid / RAVANSHADNIA, Mehdi / AKBARZADEH-T, Mohammad-R. – “Two-layered fuzzy logic-based model for predicting court decisions in construction contract disputes” in *Artificial Intelligence and Law*, 29, 2021, pp. 453-84

- BERNARD, Debra R. / Fahringer, Susan / Menaldo, Nicola – “New Biometrics Lawsuits Signal Potential Legal Risks in AI” in *Robotics, Artificial Intelligence & Law*, 3(4), 2020, pp. 353-6

- CHIEN, Colleen V. / KIM, Miriam – “Generative AI and Legal Aid: Results from a Field Study and 100 Use Cases to Bridge the Access to Justice Gap”, in *Loyola of Los Angeles Law Review*, 57/4, 2025, pp. 903-88 (<https://digitalcommons.lmu.edu/llr/vol57/iss4/2>)

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- ENGSTROM, David Freeman / Jonah B. Gelbach – “Legal Tech, Civil Procedure, and the Future of Adversarialism”, in *University of Pennsylvania Law Review*, v. 169, 2021, pp. 1001-1099;

- Galli, Frederico / Sartor, Giovanni – “AI Approaches to Predictive Justice: A Critical Assessment”, in *Humanities and Rights Global Network Journal*, 5/2, 2023, pp. 165 – 217 (<https://www.humanitiesandrights.com/journal/index.php/har/article/view/118>);

- HENSE, Peter / MUSTAC, Tea – *Principles of AI Governance and Model Risk Management: Master the Techniques for Ethical and Transparent AI Systems*, Springer, 2024.

- MARTINS, João Marques – “The Impacts of Predictive Justice in Civil Litigation”, in *International Journal of Procedural Law*, 14, 2024, Brill, pp. 330-341;

- MEDVEDEVA, Masha / WIELING, Martijn / VOLS, Michel – “Rethinking the field of automatic prediction of court decisions” in *Artificial Intelligence and Law*, 2021 (<https://doi.org/10.1007/s10506-021-09306-3>);

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- VAN DER HAEGEN, Matthias – “Quantitative Legal Prediction: The Future of Dispute Resolution?” in *Artificial Intelligence and the Law*, ed. Jan de Bruyne / Cedric Vanleenhove, Intersentia, 2021, pp. 73-99.