

Biomatics and Applied Artificial Intelligence Institute			Elective subject 2025-26-2			
Name of the subject:	Code of the subject:	Credits:	Weekly hours:			
				lec	sem	lab
Legal Ai, Legaltech in Practice	NBVL1EBNF	4	full-time	2	0	0
Responsible person for the subject: Prof. Dr. Eigner György			Professor			
Subject lecturer(s): dr. Zorkóczy Miklós						
Prerequisites:	-					
Way of the assessment:	mid-term					
Course description						
Goal:	The course provides theoretical and practical knowledge on how to integrate machine assistance into the everyday business and legal workflow in a controlled way by using modern technology. In doing so, we will explore the problem-solving potential of data science (BigData), machine learning (MLOPS) through concrete use cases. Upon completion of the course, students will be able to independently define the technology needs for a given business workflow, understand its logical processes and operation, define its purpose and desired outcome, and demonstrate the efficiency gains of the workflow.					
Course description:	The online course delivers practical knowledge in a specific legal work environment on how to use modern technology to involve machine assistance in daily legal and business workflow in a controlled manner. After completing the course, students will be able to independently determine the technological needs required for the current legal and business workflow, understand its logical processes and operation, determine their purpose and desired outcome, and demonstrate the increase in the efficiency of the workflow. During the semester, legal prompting strategies, machine learning technologies for document and text analysis, document management systems and document automation platforms (contract lifecycle management) will be reviewed, the use of DLT technology in law (smart contract), the concept of legal design, and the usability, control and controllability of text and content generation applications (NLP – LLM – chatGPT) will be presented. All the presented developments, tools and methods will be analysed from an Ai compliance and project management point of view.					

Lecture schedule	
Education week	Topic
1.	Introduction of the course: Ai and LegalTech definitions, legal operation
2.	Legal prompt engineering
3.	Document automation
4.	Document analysis
5.	eSign, eGovernance
6.	Smart contract (distributed ledger technology, blockchain)
7.	Legal design – design thinking
8.	Break
9.	Ai compliance, Ai in workplaces
10.	Legal Ai Project Management
11.	Legal Engineering
12.	Online presentation (oral) and demonstration of ppt file on a listed topic
13.	Online presentation (oral) and demonstration of ppt file on a listed topic
14.	Replacement of report

Mid-term requirements													
Conditions for obtaining a mid-term grade/signature	Participation at the online lessons is mandatory. A successful presentation is mandatory to acquire grade.												
Assessment schedule													
Education week	Topic												
12.	Online presentation (oral) and demonstration of ppt file on a listed topic												
13.	Online presentation (oral) and demonstration of ppt file on a listed topic												
14.	Failed Assessments to retake												
Method used to calculate the <i>mid-term grade</i> (to be filled out only for subjects with mid-term grades)													
Presentation result needs to exceed 51%.													
Type of the replacement													
Type of the replacement of written test/mid-term grade/signature	In the case if the mid-term presentation does not reach 50%, the student can replace the presentation in the form of re-take presentation in the 14th week. Replacement of the mid-term mark: once in the first 10 working days of the examination period.												
Type of the exam (to be filled out only for subjects with exams)													
-													
Calculation of the exam mark (to be filled only for subjects with exams)													
-													
Final grade calculation methods:													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Achieved result</th> <th style="width: 50%; text-align: center;">Grade</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">87%-100%</td> <td style="text-align: center;">excellent (5)</td> </tr> <tr> <td style="text-align: center;">73%-86<%</td> <td style="text-align: center;">good (4)</td> </tr> <tr> <td style="text-align: center;">63%-74<%</td> <td style="text-align: center;">satisfactory (3)</td> </tr> <tr> <td style="text-align: center;">51%-62<%</td> <td style="text-align: center;">pass (2)</td> </tr> <tr> <td style="text-align: center;">0%-50<%</td> <td style="text-align: center;">failed (1)</td> </tr> </tbody> </table>	Achieved result	Grade	87%-100%	excellent (5)	73%-86<%	good (4)	63%-74<%	satisfactory (3)	51%-62<%	pass (2)	0%-50<%	failed (1)
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References													
Obligatory:	<ul style="list-style-type: none"> • Presentations of the course • Zorkóczy Miklós (Legal) Language in Legaltech Pázmány Law Review, 10(1), 87-106. https://doi.org/10.55019/plr.2023.1.87-106 												
Recommended:	<ul style="list-style-type: none"> • Colin S Levy: Handbook of Legaltech https://www.globelawandbusiness.com/books/handbook-of-legal-tech • Lucy Bassli: The Simple Guide to Legal Innovation https://www.americanbar.org/products/inv/book/393955952/ 												
Other references:	-												