

# Syllabus

## *Syllabus*

Titul dl curs	AI-assisted Literature Review
Codesc dl curs	71080
Titul suplementar	
SSD	IINF-05/A
Lingaz	Inglese
Curs de laurea	Corso di Dottorato di ricerca in Scienze e Tecnologie informatiche
D'autri cursc de laurea (cursc deberieda)	
Dozenc	prof. Ilenia Fronza, Ilenia.Fronza@unibz.it <a href="https://www.unibz.it/en/faculties/engineering/academic-staff/person/17458">https://www.unibz.it/en/faculties/engineering/academic-staff/person/17458</a>
Assistent didatich	
Semester	Primo semestre
Ann/Agn de stude	2025 - 2026
Credic universitars	1
Ores de insegnament	10
Ores de laboratore	0
Ores de stude individual	15
Ores de riceviment prevedudes	
Ressum� di contegnus	Manually preparing and writing a literature review takes considerable time and effort. However, tools now exist to review large knowledge bases and deliver meaningful insights in a matter of minutes. Throughout this course, students will explore which stages of the literature review process can be automated using AI and to what extent human involvement remains necessary. Students will have the opportunity to engage in a hands-on assignment where they will apply their knowledge to develop the literature review required for their doctoral program. This assignment aims to deepen their understanding and enhance their

	<p>research skills.</p> <ul style="list-style-type: none"> <li>• Literature Review: stages and guidelines</li> <li>• Automating literature reviews using AI</li> </ul>
<b>Argomenc dl curs</b>	<ul style="list-style-type: none"> <li>• Literature Review: stages and guidelines</li> <li>• Automating literature reviews using AI</li> </ul>
<b>Paroles clef</b>	Artificial Intelligence, Literature review
<b>Prerequisic aconsiés</b>	
<b>Cursc propedeutics</b>	
<b>Modalité de ensegnament</b>	<p>The course consists of 3 modules, combining frontal lectures, hands-on activity, and group discussions. The first introductory module lasts 2 hours and focuses on theoretical foundations. The second module lasts 4 hours and is dedicated to hands-on activities to experiment with automating literature reviews using AI. In the final module, also 4 hours long, students will present their findings and engage in a discussion about the advantages and disadvantages of using AI for literature reviews.</p>
<b>Oblianza de frecuencia</b>	<p>Not compulsory but recommended. Non-attending students must contact the lecturer at the start of the course to agree on the modalities of the independent study.</p>
<b>Obietifs formatifs y competenzes da arjonje</b>	...
<b>Obietifs formatifs y competenzes da arjonje (informazions suplementares)</b>	
<b>Sort de ejam</b>	<p>Students will have the opportunity to engage in a hands-on assignment where they will apply their knowledge to develop the literature review required for their doctoral program. The assignment will be evaluated and discussed during the course. Non-attending students will work on the assignment autonomously and present it in the final module.</p>
<b>Criters de valutazion</b>	<p>The exam is graded on a pass/fail basis with no marks awarded. The following criteria are relevant for the assessment:</p> <ul style="list-style-type: none"> <li>- Communication clarity and effectiveness.</li> <li>- Ability to summarize, evaluate, and establish relationships between topics.</li> <li>- Ability to apply the tools, methods, and processes introduced in</li> </ul>

	the course to specific cases.
<b>Bibliografia obligatora</b>	The reading material is specified during the course.
<b>Bibliografia aconsieda</b>	
<b>Deplù informazioms</b>	
<b>OSS</b>	Istruzione di qualità