

WU Tax Law Technology Course



ChatGPT / Large Language Models
meet Tax Compliance

May / June 2024



Institute for Austrian and
International Tax Law **Vienna**
WU Tax Law Technology Center

Overview

Large Language Models (LLM) are currently undergoing an interesting development since Neuro-Linguistic Programming (NLP) was “replaced” by Chat GPT. The next development is already imminent. Exploring the profound capabilities of Retrieval Augmented Generation (RAG) is bound to stir up discussions throughout 2024. Generative Artificial Intelligence (genAI) is characterized by the generation of text responses based on Large Language Models (LLM), where AI is trained on a huge number of data points.



What is Retrieval Augmented Generation (RAG)?

Here's where Retrieval Augmented Generation (RAG) steps into the spotlight. RAG provides a way to optimize the output of an LLM with targeted information without changing the underlying model itself. This means that targeted information is more up-to-date than the LLM and also specific to a particular organization and industry. The RAG concept has been embraced by many academics and industry researchers who see it as a way to significantly improve the value of generative AI systems.

The selection of tax topics for the use of the large language model and AI should relate to VAT and tax risk management. There is a great deal of information that needs to be processed, particularly in the area of VAT. This fact supports the development and use of large language models combined with RAG as well, because such models could support several EU Member States with targeted and quite up-to-date information related to VAT.

The **WU Tax Law Technology Center** at the Institute for Austrian and International Tax Law, WU Vienna was established in 2022 by a group of tax law professors and researchers as a study platform to respond to new challenges which digital economy brings in the field of tax and customs. Some of them have predominately gained practical experience from business environment.



General Information

The course consists of three preparatory online sessions on **May 28, 29 and 31, 2024** and one and a half days on-site in Vienna on **June 4-5, 2024**. Each online session will last 90 minutes, the on-site course is structured into 6 sessions of 1.5 hours each. The topics are analyzed with a mix of theory and project work with expert coaching. The course is entirely held in **English**.

In order to guarantee a high degree of interactivity, the course is strictly limited to a **maximum of 30 participants**.

Target Group and Course Level

The course is targeted at professionals around the world who want to broaden their knowledge of tax law technology i.e. digitalization and automation. Participants typically are **tax & customs advisers** (accountants, economists, and lawyers), **in-house tax & customs and finance employees of international companies**, **government officials**, and **academics**.

The course starts at an **introductory level** by the online sessions. Hence, it can be attended by both participants with no experience in tax and customs law technology and participants with some experiences in this field. No advance preparations is required.



Content and Structure

ONLINE SESSIONS

TUESDAY, MAY 28, 2024

18:00 – 19:30 **Introduction to LLM and RAG**

WEDNESDAY, MAY 29, 2024

15:00 – 16:30 **Research with Generative AI in Publisher Databases**

FRIDAY, MAY 31, 2024

18:00 – 19:30 **Research with a Specialized Index**

ON-SITE SESSIONS

TUESDAY, JUNE 4, 2024

INNOVATIVE LANGUAGE MODELS LIKE LLM, CHATGPT AND AI

09:00 – 10:30 **Introduction, Recap of the Online Sessions**

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Tax Compliance Challenges Caused by Automation, and Further Transformational Perspectives**

12:30 – 13:30 Lunch Break

13:30 – 15:00 **Prompting Systems to Optimize the LLM Usage**

15:00 – 15:30 Coffee Break

15:30 – 16:30 **What is RAG? How to Make the Best Usage of LLM Use Cases for VAT and Transfer Pricing**

16:30 – 17:30 **Interactive Selection of Use Cases for VAT, Transfer Pricing as Examples I**



WEDNESDAY, JUNE 5, 2024

INNOVATIVE LANGUAGE MODELS LIKE LLM, CHATGPT AND AI

09:00 – 10:30 **Interactive Selection of Use Cases for VAT, Transfer Pricing as Examples II**

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Recap and Learnings**

Lecturers

ROBERT RISSE

Director, WU Tax Law Technology Center
Institute for Austrian and International Tax Law
WU Vienna University of Economics and Business

THOMAS HOPPE

Head Indirect Tax, Schwarz Dienstleistung KG

MARINA LUKETINA

Tax Law Professor, University of Applied Sciences Upper Austria

CHRISTIAN FÜHRER

Head of Sales & Go to Market Strategy, initions

SUSAN MASSEY

Vice President of Legal Research, Blue J

MICHAEL BRAUN

Managing Director, WTS PSP AI GmbH



Registration

Please register on our website:



<https://www.wu.ac.at/taxlaw/institute/wutlhc/teaching/online-registration-tlhc-book-presentation>

PARTICIPATION FEE

The course fee is EUR 1,700. A 10% “early bird discount” is applicable to applications received by May 17, 2024.

This fee covers course participation, all course materials, lunches, coffee breaks and refreshments.

The fee does not cover costs of travel and accommodation.

The course materials will be provided as downloads and as handouts (available on the first day of the course).

PAYMENT

You will receive an invoice for the participation fee of EUR 1,700 (or of EUR 1,530 in case of application of the early bird discount). We kindly ask you to transfer your payment within three weeks of the date of the invoice.

CANCELLATION

Any notification of cancellation of registration must be sent in writing. In case of cancellation before May 21, 2024, the participation fee will be refunded. No refund can be made for cancellations received after this date.

PHOTOS

We would like to inform you that this event will be photographed. Should you not wish to be photographed, we kindly ask you to avoid the camera and/or inform Ms. Katharina Dendl (katharina.dendl@wu.ac.at). Photos will be used to inform the public about the activities of the Institute.

VENUE

WU Vienna University of Economics and Business
Welthandelsplatz 1
1020 Vienna, Austria
Building AD, Meeting Room 2

Vienna Certificate in Tax Law Technology

This course is part of the Vienna Certificate in Tax Law Technology. The certificate program offers a unique opportunity to combine four excellent courses with a high-class case study as well as a technical paper supervised by the experts of the WU Tax Law Technology Center. Ideally, all six parts should be taken within one year.

The certificate targets professionals around the world who want to build or broaden their knowledge in tax law technology and get access to new research results in that area. Candidates are typically tax advisers (accountants, economists, and lawyers), in-house tax and finance employees of international companies, government officials, and academics.

The candidate will receive the “Vienna Certificate in Tax Law Technology” upon successful completion of the following six modules:

1. SAP Tax Compliance

2. ChatGPT / LLM meets Tax Compliance

3. Microsoft Co-Piloting on Tax and Customs Duties

4. Selecting and Combining Basic and Intelligent Systems – Strategies for Building Effective Solutions, Use Cases

5. Case Study

A **case study** containing a specific use case application should be solved by the candidate. This case study will be provided and supervised by the experts of the WU Tax Law Technology Center.

6. Technical Paper

A **paper**, in the form of a technical article (approx. 8,000-10,000 words), should be prepared by the candidate in English. The topic of this technical paper will be agreed by the candidate together with the experts of the WU Tax Law Technology Center, who will supervise.

The **fee** to access the certificate program amounts to **EUR 8,750**. Previously completed courses can be deducted from this amount. The fee might be reduced as a result of an early bird discount related to the courses. You will receive a 10% discount on the courses if you book all four courses in advance. For further information, please contact us on taxlawtechnologycenter@wu.ac.at.

Information and Contact

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Getting there:
Underground: U2 Station
Messe-Prater or Krieau
Bus: 82A Stop Südportalstraße