**Computer-assisted translation**

Course scenario

# CLASS 15

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| **TOPIC** | Artificial Intelligence and Translation | |
| **LEARNING CONTENT - DETAILED CHARACTERISTICS** | Topics to be covered: Main concepts of AI, history of AI, neuron, how the machine learns, word embeddings, large language models, generative pretrained transformers, AI and translation | |
| **KEY WORDS** | Artificial intelligence (symbolic, general, narrow, generative transformer), neuron, machine learning, word embeddings, large language models, generative pretrained transformers | |
| **SUGGESTED TOOLS** | MS PowerPoint / Canvas (or similar)  Access to an AI chatbot (ChatGPT or similar)  Access to an AI image generator (DALL-E or similar) | |
| **TIPS / METHODOLOGICAL REMARKS**  **(if applicable)** | * The topic is very dynamic; thus information and tools need to be reviewed and tested prior to the lecture. * AI examples and tasks need to be selected according to students’ language knowledge or specialisation of (e.g. English-German, Spanish-English). * Minimum CEFR Level required: B1 (Reading, Writing, Listening and Speaking). | |
| **IMPLEMENTATION OF THE CLASSES** | **STEP 1** | Give a self-assessment quiz from previous lecture. |
| **STEP 2** | Explain new AI technologies and latest generative transformer developments that are capable of translating texts. Present basic concepts and principles of AI technologies. |
| **STEP 3** | Discuss the overall importance and perspectives of AI technologies for the translation industry. |
| **STEP 4** | Screen-demonstrate freely accessible AI-powered tools. |
| **STEP 5** | Give students a practical task |
| **STEP 6** | Review results of the task |
| **STEP 7** | Present exam topics for the final test. |

**ADITIONAL MATERIAL 1 (PICTURE)**

**A diagram of a machine learning

Description automatically generated**

Source: Original

**ADITIONAL MATERIAL 2 (PICTURE OF A TIMELINE)**

**A timeline of different men's faces

Description automatically generated**

Source: <https://sefiks.com/2017/10/14/evolution-of-neural-networks/>