

FABIO CIAMBELLA – SLA 1 Syllabus AY 2023-2024
AI and SLA – 6 CFU (Second semester)

This year's SLA course is aimed at developing MA students' knowledge and competences in the relationship between Artificial Intelligence (AI) and language learning/teaching. It is articulated into 2 Modules:

- 1) **Module A** is dedicated to the main theories concerning Second Language Acquisition
- 2) **Module B** focuses on the exploration of the role that AI can have when learning/teaching a Second Language, its limitations, and the risks students/teachers take when they use AI in their learning process and teaching practices respectively. Notions and concepts such as Computer-Assisted Language Learning (CALL), Natural Language Processing (NLP), Data-Driven Learning (DDL), deep learning, and many others will be explored and discussed in class, with the aim of stimulating AI-based SLA (or Artificial Intelligence used in education, AIEd) awareness. In particular, ChatGPT will be taken as case study for the second part of the course as well as AIEd frameworks and tools applied to Error Analysis.

Bibliography

- **Module A:**
Saville-Troike, M., & K. Barto. 2016. *Introducing Second Language Acquisition* (3rd edition). Cambridge University Press.
- **Module B:**
 - a) Baskara, Risang, & Mukarto. 2023. Exploring the implications of ChatGPT for language learning in higher education. *IJELTAL* 7 (2), 343-58, <https://ijeltal.org/index.php/ijeltal/article/view/1387/pdf>.
 - b) Klyshbekova, Maira. 2022. ChatGPT and language learning. *SSRN*, <https://ssrn.com/abstract=4488587>.
 - c) Macías Borrego, Manuel. 2023. Towards a digital assessment: Artificial Intelligence assisted Error Analysis in ESL. *Integrated Journal for Research in Arts and Humanities* 3 (4), 76-84, <https://ijrah.com/index.php/ijrah/article/view/274/435>.
 - d) Schmidt, Torben. & Thomas Strasser. 2022. Artificial Intelligence in Foreign Language Learning and Teaching: A CALL for intelligent practice. *Anglistik* 33 (1), 165-84, <https://angl.winter-verlag.de/data/article/11071/pdf/92201014.pdf>.
 - e) Son, Jeong-Bae, Natasha Kathleen Ružić, & Andrew Philpott. 2023. Artificial intelligence technologies and applications for language learning and teaching. *Journal of China Computer-Assisted Language Learning*, 1-19, https://research.usq.edu.au/download/7e191381e3e1c3623fa03bbfb930176dd64e03f6892f8c7192409285fa5e48ac/599422/Son_et_al_AI_JCCALL_2023_online.pdf.
 - f) Mariappan, Rajati, Kim Hua Tan, Jiaming Yang, Jian Chen, & Peng Kee Chang. 2022. Synthesizing the attributes of Computer-Based Error Analysis for ESL and EFL learning: A scoping review. *Sustainability* 14 (23), <https://www.mdpi.com/2071-1050/14/23/15649>.

Assessment methods:

MA students are free to choose between two different assessment methods:

- 1) Project work/lesson plan + oral discussion (by the end of the course only)
- 2) Written exam (during exam sessions)