Faculty of Arts and Social Sciences
Sports Science

# Course Reading

## Sports Coaching with AI - Human, Machine and Well-Being

**Valid from 08/31/2026**

**Course Code:** IDGB67
**Course Title:** Sports Coaching with AI - Human, Machine and Well-Being
**Credits:** 7.5
**Degree Level:** Undergraduate level

**Misc.**

Swarén, M., Johansson, F. & Kenttä G. (2025), När varje steg mäts. Hur påverkas unga idrottare av idrottsteknologi?, Riksidrottsförbundet

**Books**

Dindorf, C., Bartaguiz, E., Gassmann, F., & Fröhlich, M. (2024). *Artificial Intelligence in Sports, Movement, and Health*. Springer Nature

**Articles**

Bachkirova, T., & and Kemp, R. (2025). AI coaching?: Democratising coaching service or offering an ersatz?. *Coaching: An International Journal of Theory, Research and Practice,*, *18* (1). https://www.tandfonline.com/doi/full/10.1080/17521882.2024.2368598

Ghezelseflou, H., & Choori, A. (2023). Athlete Perspectives on AI-Driven Coaching Technologies: A Qualitative Inquiry. AI and Tech in Behavioral and Social Sciences. https://doi.org/10.61838/kman.aitech.1.1.2

Graßmann, C., & Schermuly, C. C. (2021). Coaching With Artificial Intelligence: Concepts and Capabilities. *Human Resource Development Review*, *20* (1). https://doi.org/10.1177/1534484320982891

Jud, M., & Thalmann, S (2025). AI in digital sports coaching ? a systematic review. *Managing Sport and Leisure*. https://doi.org/10.1080/23750472.2024.2449016

Pashaie, S., Mohammadi, S., & Golmohammadi, H (2024). Unlocking athlete potential: The evolution of coaching strategies through artificial intelligence. *Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology*. https://doi.org/10.1177/17543371241300889

Terblanche, N., Molyn, J., De Haan, E., & Nilsson, V. O. (2022). Coaching at Scale: Investigating the Efficacy of Artificial Intelligence Coaching. *nternational Journal of Evidence Based Coaching and Mentoring*, *2* (22). https://doi.org/10.24384/5CGF-AB69

Approved by the Faculty Board of Arts and Social Sciences 03/09/2026