Course Title: Cognitive Robotics in the Age of AI: Shaping a Sustainable Future with Intelligent Machines

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etence through hands-on robotics DGs 2, 3, 9, 11 and 12 are inter- ns thinking in cognitive robotics is ress.
ical competence by consistently onsiderations into the design, iment of cognitive robotics solutions in the control of cognitive robotics.
we cognitive robotics and computer 9, 11 and 12, and be able to map to these goals. They will design and solutions that address sustainability end, they can clearly argue the SDG rojects.
system les to sustainability lege of AI with respective SDG goals (a lion): lion and Infrastructure: for advanced manufacturing, automature. les and Communities: ception and autonomy for urban mort cities, and disaster response. leased crop monitoring for sustainable,
hop - Teamwork makes the dream

	work challenge!
Assessment type	Study assignment and practical work using Jupyter Notebooks.
Credit hours	2
Credits	2
Literature	Course material:
	J. Graf, Cognitive Systems (Introduction to Sensors, Perception, AI, Navigation, and Control), 2025
	J. Graf, Cognitive Vision Systems (Computer Vision using Deep Learning), 2025
	J. Graf, Visual Navigation (Visual Odometry and visual aided Navigation), 2025