

Unlocking bio-inspired innovation

a TUD-wide 'biology for biomimetics & bioengineering' course



Life has evolved solutions to an extraordinary range of problems and can itself be engineered to perform new functions. However, for engineers and designers to leverage this potential, they need an understanding of biology that allows them to discover and translate relevant biological solutions. This 3 ECTS MSc-level course will help students develop an integrated understanding of general concepts and

principles in biology and develop skills needed to take advantage of biomimicry and bioengineering solutions. The biological knowledge will be linked to examples of biomimicry and bioengineering from a broad range of fields (incl. architecture, computer science, chemistry, mechanical engineering), and immediately applied by developing a novel bio inspired innovation.

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