

POST-ACADEMIC COURSE

OFFSHORE WIND ENERGY

Regulatory & economic track

7 MAY 2025 – 4 JUNE 2025



GHENT
UNIVERSITY

OFFSHORE WIND ENERGY

Regulatory & economic track

Addressing the legal frameworks and economics in offshore wind energy industry

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Offshore wind has a vital role to play in the global transition to green energy. As a rapidly growing energy technology, offshore wind has huge potential around the world. In the Belgian North Sea, offshore wind farms generate about 10% of Belgium's total electricity demand. By 2030, offshore wind capacity in the North Sea will continue to grow, generating about 30% of electricity demand of Belgium.

For this booming industrial sector, Ghent University provides three tracks of lifelong learning courses for those who want to expand their knowledge of all phases of offshore wind energy, with a mix of academic and industrial speakers:

- ☞ Foundational track
- ☞ Advanced track of technological aspects
- ☞ Regulatory and economic track

TARGET AUDIENCE

This course will present a general introduction and overview of the Offshore Wind Energy sector and is thus targeted towards a broad audience: people already working in this sector, people with the ambition to be working in the sector and researchers. A bachelor level (or equivalent through minimal 2 year relevant working experience) is obligatory.

SCIENTIFIC COORDINATION

Prof. Lieven Vandeveldel, Department of Electromechanical, Systems and Metal Engineering, Ghent University

TEACHERS

Bashir Bakhshideh Zad (University of Mons), Lars Brenne (Rely on Nutec), Bérénice Crabs (Belgian Offshore Platform), Steven Degraer (KBIN), Bert Derudder (KBC), Pascal Geerinck (Tractebel), Angelo Goethals (Ghent University), Jan Heinen (Tractebel), Mieke Mathys (IMDC), Tim Schyvens (Elia), Frederik Vandendriessche (Ghent University), Marc Vermylen (Loyens & Loeff), Michel Verschuere (Yuso) & Paco Vereycken (Engie).

PROGRAMME

This regulatory and economic track provides an overview of the offshore wind policy and legislation and operational & functional safety. Also the wide range of activities preceding the installation are discussed: project financing, environmental impact assessment, ... The energy market is another important topic in this course.

- International law & Belgian Maritime Spatial Planning
- Offshore wind policy: beyond the horizon
- Offshore wind farm environmental impacts
- Environmental permit & impact assessment
- Project financing & development
- Introduction into (offshore) energy legislation and cross boundary transmission aspects
- Operational & functional safety
- Offshore wind resource & energy yield assessment
- Energy markets based on weather forecasts
- Energy markets & ancillary services
- Offshore adequacy
- Future grid coupling: inter alia / the Energy Island

PRACTICAL

Fee: 1.105 euro - vist our website for special pricing etc. (Ugent & multiple subscriptions)

Dates: 7 May 2025 – 4 June 2025

Location: Ghent University, UGain classroom, building 60, Technologiepark Zwijnaarde.