

Introduction to course

Offshore Wind Farm Design

Michiel Zaaijer

2007-2008



1

DUWIND

Course overview

- Introduction to wind energy
- Wind farm design considerations
- Wind, wave and current climate and loading
- Offshore foundations and dynamics
- Installation
- Wind farm aspects
- Reliability, operation and maintenance

Instructors - Support

Lectures:

- Ir. David Cerda Salzmann (OE)
- Ir. Wybren de Vries (OE)
- Dr. Gerard van Bussel (WE)
- Ir. Wim Bierbooms (WE)
- Ir. Michiel Zaaijer (WE)

Assignment:

- Dr. ir. Jan van der Tempel (OE)

Co-ordination with Offshore Master:

- Ir. Ger Tol (OE)

Blackboard

- Additional information:
 - Course Documents (presentation handouts etc.)
 - Communication (particularly e-mail facility)
 - Assignment
- Self enrollment
- Course ID: OE5662
- Title: Offshore wind farm design

The assignment

- Group assignment - 2 (or 3) persons
- Aspects:
 - Site selection
 - Data collection
 - Farm layout
 - Preliminary design
 - Detailing of support structure
- Reporting and presentation Thursday October 18th