Offshore Summer School 2006 Programme

Monday, September 4, Hochschule Bremen

11^{00} Welcome — Prof. Dr.-Ing. Henning Albers, Hochschule Bremen

11^{30} Introduction to the POWER project — Prof. Dr.-Ing. Henning Albers, HS Bremen

Teamtraining — Dipl. Soz. Päd. Ulrike Füßer

12^{00} Input Trainer
Input of the group
Motivating group discussions
Get familiar to each other

13^{00} Lunch

Teamtraining — Dipl. Soz. Päd. Ulrike Füßer

14^{00} Cooperative initiative task with all trainees
Motivating discussions in the plenum
Teamwork – change the teams

17^{00} Discussion in the plenum

Tuesday, September 5, Windzentrum Bremen

Technical English — Dipl.-Päd. Frau Gerlinde Otten

9^{00} Understand instructions in manuals
Conduct technical discussion in English
Practical exercises

12^{00} Lunch

Mechanics of wind turbines — Dieter Sommer/Robert Schimweg, Windzentrum

13^{00} Function of mechanical components of wind turbines:
Main shaft, gearbox, brake system, yaw mechanism
Hydraulic system
Practical training in workshops

16^{00} Coffee break

Introduction to risk assessment (two groups)

16^{30} Threats, vulnerabilities, controls — Michael Schmidt, GLA Bremerhaven

ANEMOS – The offshore wind energy game (two groups)

16^{30} Information and Decision Support System (IDSS)
Susanne Adams /Oliver Lichte, ICBM Oldenburg

Wednesday, September 6, Europahafen Bremen

Safety and rescue training I Gesellschaft für Angewandten Umweltschutz und Sicherheit im Seeverkehr mbH (GAUSS)

8^{00} Welcome and course information

8^{30} Introduction to: Life saving appliances & emergency signals

9^{30} Coffee break

10^{00} Training: knots

11^{00} Introduction to: hypothermia

12^{00} Lunch

13^{00} Team training: Life saving appliances

14^{30} Coffee break

15^{00} Team training: Life saving appliances

Thursday, September 7, Europahafen Bremen

Safety and rescue training II Gesellschaft für Angewandten Umweltschutz und Sicherheit im Seeverkehr mbH (GAUSS)

8^{00} Repetition and exercises: Knots

8^{30} Introduction to: Small boats, how do they work?

10^{00} Coffee break

10^{30} Training:
Manoeuvring with small boats
Life saving appliances

12^{00} Lunch

13^{00} Team training:
Rescue of people floating in the water
Abseiling from a platform

15^{00} Coffee brake

15^{30} Team training:
Rescue of people floating in the water
Abseiling from a platform

17^{30} Debriefing

Friday, September 8, Hochschule Bremerhaven

Offshore wind farms I

9^{00}	Welcome and introduction	Prof. Dipl.-Ing. Henry Seifert, fk-wind
9^{30}	Offshore environment and loads:	
	Mechanical loads	Prof. Dipl.-Ing. Henry Seifert, Hochschule Bremerhaven
	Wind and waves	Dr. Nadja Salek, ForWind
11^{00}	Coffee break	
11^{30}	Power generation:	Dr. Gerard J.W. van Bussel, TU Delft
	Electrical systems	
	Grid integration	
13^{00}	Lunch	

14^{00} Excursion to Mega Watt-wind turbines

Saturday, September 9, Hochschule Bremen

Offshore wind farms II

9^{00}	Welcome and introduction to installation, operation and maintenance	Prof.-Dr.-Ing. Henning Albers, Hochschule Bremen Dr. Gerard J. W. van Bussel, TU Delft
9^{30}	Support structures and installation technique	Dr. Gerard J.W. van Bussel, TU Delft
10^{00}	Coffee break	
10^{30}	Operation and maintenance, logistics	Dr. Gerard J.W. van Bussel, TU Delft
11^{30}	Environmental impacts	Susanne Adams, ICBM Oldenburg
12^{30}	Lunch	
13^{30}	Integrated offshore wind farm design	Dr. Gerard J.W. van Bussel, TU Delft
14^{30}	Failure Mode and Effect Analysis (FMEA)	Prof.-Dr.-Ing. Henning Albers
16^{00}	Leave-taking and end of the Offshore Summer School 2006	Prof.-Dr.-Ing. Henning Albers, Hochschule Bremen