Metocean is a discipline covering meteorology and physical oceanography, and is concerned with quantifying the impact and effect of weather and sea conditions on a wide range of activities in the offshore oil & gas and renewables.

This is an essential course providing a greater understanding of metocean and its implications for offshore design and operations.

Wednesday 26 – Thursday 27 August 2020
Saxons Training Facilities, 1/140 St Georges Terrace, Perth WA 6000

Metocean Awareness Course

An essential course providing a greater understanding of metocean and its implications for offshore design and operations

Why will this course benefit you?
For all offshore industries, the effects of meteorology and oceanography (metocean) have a major impact on design and operations. If users of metocean information are not aware of the implications that the weather, waves, currents and water levels can have on their operations or design work, then things can go wrong with serious health and safety and economic consequences.

The Metocean Awareness Course is aimed at those who need to have a greater understanding of metocean conditions worldwide and how they might impact the effectiveness of their work.

The course format will include a mixture of short presentations presented by expert speakers in this field and interactive workshop sessions including a group case study exercise. Delegates will receive a comprehensive course manual on attendance.

Who should attend?
This course is essential for Project Managers and Engineers in the offshore and renewables industries, involved in operations or design, from new entrants to the industry to those with many years experience. The course will enable delegates to interact with expert speakers and other delegates from various backgrounds who use or provide metocean data.

Comments from delegates who attended previous courses:
"The presenters were excellent in sharing their experience and input to issues faced by participants in their work."
COURSE SCHEDULE

DAY 1 
WEDNESDAY 26TH AUGUST 2020

08.30  Registration & Refreshments
09.00  Welcome, HSE briefing, housekeeping
        Introductions/icebreaker

Metocean experiences from delegates and speakers
09.30  Kolskaya and Key Biscayne Jackup Disasters, and Why it is Always Easier to Blame
        Metocean; Setting the Scene
        Jan Flynn, Woodside

10.30  Morning Tea

Metocean Parameters and Processes
10.45  Atmospheric and Ocean Circulation
        Scott Noreika, RPS MetOcean

11.30  Wind, Waves, Currents, Water Levels
        Steve Buchan, RPS MetOcean

12.40  Lunch break
13.40  Western Australian Metocean Conditions
        Steve Buchan, RPS MetOcean

Metocean Data Acquisition and Quality Control
14.10  Measurements, Quality Control of Data and Archiving
        Greg Bush, RPS MetOcean

15.10  Afternoon Tea

15.30  Numerical Modelling
        Steve Buchan, RPS MetOcean

16.30  Metocean Requirements for FPSO Design
        Ian Milne, University of Western Australia

17.00  Day 1 Finish

17.45  Dinner

DAY 2 
THURSDAY 27TH AUGUST 2020

08.30  Arrival tea & coffee

Metocean Operating Statistics
09.00  Developing Metocean Statistics for Operational Planning e.g. Weather Windows Exercise
        Michael Garvey, Woodside TBC

10.30  Morning Tea

Metocean Design Criteria
10.45  Developing 100-Year Extremes
        Extreme Value Analysis (EVA)
        Joint Probability
        Uncertainty
        Exercise
        Steve Buchan, RPS MetOcean

12.45  Lunch

Weather Forecasting
13.45  How Are Forecasts Produced?
        Forecast Products
        Uncertainty
        Exercise
        Joey Rawson, Bureau of Meteorology

15.15  Afternoon Tea

Data Trends and Climate Variability
15.30  What Are the Issues for Metocean?
        Climate variability and climate change
        TBC, Bureau of Meteorology

16.30  Course Finish

APPLICATION FORM – Metocean Awareness Course

Wednesday 26 – Thursday 27 August 2020
Saxons Training Facilities, 1/140 St Georges Terrace,
Perth WA 6000

Instructions: Please print clearly or attach business card and photocopy this form for further delegates.

Personal Information
IMarEST/SUT Membership Number
Full name
Job title
Organisation/company
Address
City
County
Postcode
Telephone
Email
Signature

Metocean Awareness Course fees: (please tick)
Early Bird* Member  $1090 AUD
Early Bird* Non-member  $1300 AUD
Member  $1360 AUD
Non-Member  $1620 AUD

(*Early Bird Registrations must be received by 29 July 2020)
(Rates include GST at standard rate.)

Terms & Conditions 2020: Refunds will be made on written cancellation received up to 30 calendar days prior to the event at no charge. 29 - 10 working days prior to the course cancellations will be subject to a 15% administration charge. Cancellations received 9—4 working days prior to the event will be charged a 50% cancellation fee. Cancellations received 3—0 working days prior to the event will not be refunded. Delegates may wish to nominate a substitute in their place at no charge.

PAYMENT INFORMATION:
○ Please invoice (PO NO.) _________________________________
○ GST receipt
○ Cheque Australian Dollar only, made payable to The Society for Underwater Technology
○ Credit card Mastercard, Visa or AMEX® ONLY. We cannot accept payment by any other card.
  ○ Amex
  ○ Mastercard
  ○ Visa

Card number __________________________________________

Card holder’s name ___________________________________

Signature _____________________________________________

Security Code (last 3 digits on the back of your card) ______

Start date ___________ Issue number (if applicable) _

Address at which card is registered ______________________

ADDITIONAL REQUIREMENTS:
○ Vegetarian/special dietary meals
○ Access requirements (please specify)

You will receive a confirmation email, an invoice or GST receipt and further information on receipt of your application form. Please contact us if you do not receive confirmation.

Registration Information
To register please email this form to p.slapp@sut.org or phone/email for further information + 61 (0) 8 9481 0999

Delegates will receive one year’s complimentary affiliate IMarEST membership

Please tick here if you are happy for us to distribute your details to join the Metocean Awareness Course Nexus Group.

Comments from delegates who attended previous courses:
“Gained a good knowledge of metocean in such a short time”