

GRIFFITH UNIVERSITY COASTAL HAZARD MANAGEMENT TRAINING PROGRAMS 2019

Griffith University Coastal Hazard Management Short Course Level II: Advanced Applications

Byron Bay & Tweed Coast, Monday 13 to Wednesday 15 May, 2019

The Griffith Centre for Coastal Management is leading capacity building and training for coastal professionals in Australia and the Asia Pacific. In the past 5 years, the Centre has organised five editions of the Coastal Hazard Management Short Course and worked with international partners to deliver coastal specialisation courses in Vietnam, Indonesia and Chile, training more than 200 professionals.

The Griffith Coastal Hazard Management Short Course Level II: Advanced Applications is directed to our course alumni and selected coastal professionals with experience in government, the private sector, academia and other coastal organisations.

The aim of this program is to expand professionals applied knowledge and capacity to solve complex and wicked problems in the coastal zone through the effective understanding of advanced tools for coastal hazard planning and management and how these tools are being applied to real world problems, including how to work with government and the private sector to navigate through the funding conundrum.

Day 1

- Coastal processes: advanced beach dynamics, sediment transport, headlands bypass and ICOLLs (Intermittently Closed and Open Lakes and Lagoons)
- Climate variability and change: climatic cycles, storms and sea level rise models
- Numerical models: understanding advanced numerical models outputs
- Estuaries and waterways: advanced hydrodynamics and water quality standards
- Advances in coastal engineering design and performance
- Wicked problem solving in teams - Part I

Day 2: Field trip

- Byron Bay Lighthouse walk, sand lobe and Cape Byron dynamics
- Byron Bay Clarkes Beach stormwater and midden protection works
- Byron Bay Main Beach and Belongil protection works
- New Brighton Beach storms, dunes and beach scraping
- Kingscliff beach CZMP and seawall
- Fingal Head and Tweed Rivers Sand Bypass (NSW)

Day 3

- Models for risk assessment: assets valuation and probability of events
- Advanced probabilistic risk assessment: Monte Carlo models
- Risk and uncertainty in cost-benefit analysis
- Funding mechanisms for public policies, governance and public works
- Private sector entrepreneurship and investment: public-private partnerships
- Stakeholder engagement, technology and future perspectives
- Wicked problem solving in teams - Part II

SPEAKERS: Griffith University academic staff, consultant and government professionals.

WHEN: Monday 13 to Wednesday 15 May, 2019.

WHERE: Byron Bay Surf Lifesaving Club + Study Tour from Byron Bay to Tweed Heads.

REGISTRATION FEES: (early bird rates before 1 April, 2019; standard rates apply from 2 April, 2019)

Early Bird Level II - \$965 + GST

Standard Rate Level II - \$1,140 + GST

Early Bird Level I + Level II - \$1,565 + GST

Standard Rate Level I + Level II - \$2,165 + GST

Prices include Study Tours planned for each course.

5% discount for 2+ participants from the same organisation.

5% discount for Australian Coastal Society and Engineers Australia members.