

GRIFFITH UNIVERSITY COASTAL HAZARD MANAGEMENT TRAINING PROGRAMS 2019

Griffith University Coastal Hazard Management Short Course Level I: Foundations

Gold Coast, Wednesday 8 to Friday 10 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 University Coastal Hazard Management Short Course Level I: Foundations* is directed to professionals from the private and public sectors and graduate and postgraduate students interested in the foundations of coastal processes, planning, management and practical projects on the coast. The course is especially relevant to local government officers and consultants with limited experience in coastal processes, issues and solutions who are interested in building a working knowledge to be applied to their projects portfolio.

The aim of this program is to provide basic knowledge of coastal processes, issues and solutions and build the capacity to understand how coastal systems work and a first pass overview of the methods, tools and approaches used in coastal and marine management, with a focus on Queensland and New South Wales issues and policies. The course will also cover issues related with coastal and marine conservation and foundations marine spatial planning.

Participants with interest in more advanced knowledge may apply to participate in both Level I Foundations (Gold Coast 8-10 May, 2019) and Level II Advanced Applications (Byron Bay-Tweed Coast 13-15 May, 2019).

Day 1

- Introduction to coastal planning and management
- Coastal hazards, from beach erosion to water quality degradation
- Foundations of coastal processes: waves, currents and beach dynamics
- Coastal ecosystems: coastal waters, beaches, dunes, and wetlands
- Climate change and storms: from tropical cyclones to sea level rise
- Coastal hazard management options: hard and soft engineering
- Water tank simulation
- Co-designing coastal interventions Part I

Day 2: Field Trip

- Tweed River Sand Bypass System (QLD)
- Tallebudgera Creek and Palm Beach Protection Strategy
- Burleigh Headlands Sand Bypass
- Nobbys Beach Erosion Hotspot and Seawall, BeachCare
- Surfers Paradise Beachfront Development
- Narrowneck Artificial Reef and Coastal Protection
- BeachCare Coastal Dune Restoration at the Spit

Day 3

- Coastal policies in Australia, the United States and Europe
- Coastal management in Queensland: the QCoast 2100 program
- Coastal management in New South Wales: the 2018 Coastal Reforms
- Coastal uses and Marine Spatial Planning
- The economy of coastal areas
- Foundations of stakeholder engagement in coastal and marine management
- Coastal Education Session
- Co-Designing Coastal Interventions Part II

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

WHEN: Wednesday 8 to Friday 10 May, 2019.

WHERE: Griffith University, Gold Coast Campus + Study Tour of the Gold Coast

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

Early Bird Level I - \$965 + GST

Standard Rate Level I - \$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.