



TSUNAMI AWARENESS

UNESCO/IOC
 IODE OceanTeacher
<http://classroom.oceanteacher.org>

This 1-day awareness course provides a basic understanding of tsunamis, hazard assessment, warning and dissemination, and community response strategies to effectively reduce tsunami risk. An effective tsunami warning system is achieved when all vulnerable coastal communities are prepared to respond appropriately and in a timely manner upon recognition that a destructive tsunami is approaching. The system requires round the-clock monitoring by warning centers and a well-coordinated emergency response by all stakeholders to rapidly alert an already-educated public.

Course modules cover science and assessment tools used to build tsunami resilient communities, the tsunami detection and warning process, and the products and methods used to warn all levels of government and coastal communities. Effective response requires pre-event planning and preparation to ensure that the public knows what to do and where to evacuate to before destructive waves arrive, and that afterward, everyone knows when it is all-clear and safe to return.

COURSE OBJECTIVES

- Explain differences between local and distant tsunamis
- Discuss what scientists learn from historic records and the importance of indigenous knowledge in tsunami preparedness
- Learn the purpose, scope, and goals of tsunami modeling
- Describe tsunami warning information and how tsunami warning centers work
- Describe the warning process and how it reaches "the last mile on the coast"
- Describe types of tsunami messages
- Link tsunami hazard assessment tools and methodology and warning processes to preparedness and mitigation options
- Evaluate need for vertical evacuation. Discuss considerations for land use planning.
- Discuss techniques for outreach and education to increase public reaction to warnings
- Summarize local and distant tsunami response and identify how to improve response
- Summarize the End-to-End Tsunami Warning System
- Use warning center messages in a scenario to identify community response actions

MODULES

- Science and Hazard Assessment
- Tsunami Warning and Response
- Preparedness and Mitigation
- End-to-End Tsunami Warning

Min/Max Enrollment: 25-30

Length: 6 hours

Prerequisites: None

TARGET AUDIENCE

- Tsunami Warning Centers
- Disaster Management Offices
- First Responders
- Law enforcement
- Emergency medical services
- Hazardous materials personnel
- Coastal zone managers
- Planners/Developers
- Public utilities
- Public health
- Non-government organizations



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United Nations
 Educational, Scientific and
 Cultural Organization



Intergovernmental
 Oceanographic
 Commission



National Oceanic
 and Atmospheric
 Administration