

## Coastal and Estuarine Management

### Küsten- und Ästuaringenieurwesen

Prüfungs-/Studienleistungen ZP (K 50% + HA 50%; 50h) / -	Art/SWS 2V / 2Ü	Sprache E	LP 6	Semester WS	Prüfnr. 651
Dauer der Hausarbeit/-übung 50					

**Ziel des Moduls**

Students acquire principles of near-shore coastal processes and anticipated changes in coastal zones due to multiple drivers and stressors. Students are competent in applying basic assessment approaches and design tools for coastal management purposes regarding the dynamic, continuous and iterative processes designated to promote sustainable management of coastal zones. On basis of this knowledge, students are capable to address and solve problems regarding coastal hazards, risks, vulnerability assessments and are acquainted with the fundamentals of policies and administration processes.

**Inhalt des Moduls**

- Drivers and stressors of near-shore processes and changes in coastal zones
- Basic assessment approaches and design tools for coastal management, economics and ecology of coastal zones
- Stakeholders, coastal environment and measures to protect/defend/sustain the coastlines
- General design and maintenance of infrastructures and "low-regret" measures

Workload	180 h (60 h Präsenz- und 120 h Eigenstudium einschl. Prüfungs-/Studienleistung)
Empf. Vorkenntnisse	Environmental Hydraulics
Literatur	-
Medien	PPT, Matlab-Übungen
Besonderheiten	none

Modulverantwortlich	Schlurmann, Torsten
Dozenten	Paul, Maike; Schlurmann, Torsten
Betreuer	Scheiber, Leon
Verantwortl. Prüfer	Paul, Maike
Institut	Ludwig-Franzius-Institut für Wasserbau, <a href="http://www.lufi.uni-hannover.de">http://www.lufi.uni-hannover.de</a> Fakultät für Bauingenieurwesen und Geodäsie

Studiengangsspezifische Informationen	P/W und Kompetenzbereich in Abhängigkeit von Vertiefungsrichtung			
	Konstruktiver Ingenieurbau	Wasser- und Küsteningenieurwesen	Windenergie-Ingenieurwesen	Baumanagement
	W ÜI	W FSV	W ÜI	W ÜI