

TEACHING MODULES INFORMATION

EMJMD WACOMA (academic year 2018/19)

1.	Module Title: Coastal Cities Planning Guidelines										
2.	Module Code: (not necessary yet)										
3.	Maximum Number of Students: 25										
4.	Total ECTS Credits: 2 ECTS										
5.	Month: First year, second semester										
6.	<p>Notional Learning Hours (Please fill a number in box): (a) Contact Time - e.g in the classroom, or fieldwork (b) Private Study - reading time, preparing and taking assessments</p> <p>Format of Teaching:</p> <table style="width: 100%; border: none;"> <tr> <td>Lectures</td> <td style="text-align: right;">8 Hours (a)</td> </tr> <tr> <td>Laboratories or Practicals</td> <td style="text-align: right;">6 Hours (a)</td> </tr> <tr> <td>Other (computer workshops)</td> <td style="text-align: right;">0 Hours</td> </tr> <tr> <td>Other (tutorials)</td> <td style="text-align: right;">4 Hours (a)</td> </tr> <tr> <td>Other (private study)</td> <td style="text-align: right;">36 Hours (b)</td> </tr> </table> <p>Teaching Strategy: Lectures – 14 Workshops – Tutorials – 4</p>	Lectures	8 Hours (a)	Laboratories or Practicals	6 Hours (a)	Other (computer workshops)	0 Hours	Other (tutorials)	4 Hours (a)	Other (private study)	36 Hours (b)
Lectures	8 Hours (a)										
Laboratories or Practicals	6 Hours (a)										
Other (computer workshops)	0 Hours										
Other (tutorials)	4 Hours (a)										
Other (private study)	36 Hours (b)										
7.	Convener: Dra. María De Andrés García										
8.	Institution: University of Cadiz										
9.	Level (Please tick Y): Master Degree										
10.	Language(s) of Tuition: English										
11.	Pre-requisites: It is unlikely that there will be prerequisites beyond the entrance qualifications for a science-based Masters programme.										
12.	Co-requisites: None										

13.	<p>Programme(s) for which module is core: Erasmus Mundus Joint Master Degree in Water and Coastal Management (WACOMA)</p>
14.	<p>Module Description - The Purpose or Aims:</p> <ol style="list-style-type: none"> 1. Obtaining a high degree of knowledge about the evolution of coastal cities all over the world. 2. Addressing the development of coastal cities in the different scales of coastal management. 3. To know the relations between urban settlement and the impacts on coastal and marine ecosystems. 4. Addressing urban coastal planning processes from an ecosystem approach
15.	<p>Learning Outcomes:</p> <ol style="list-style-type: none"> 1. Considering the coastal zone as an area of interaction between the socio-economic and physical-natural environments. 2. Understanding the interaction processes that occur between cities and coastal and marine ecosystems. 3. Understanding the urban coastal zone as a socio-ecological system to deal with environmental problems. 4. Considering the problems of urban coastal areas from an ecosystem approach to guarantee human well-being.

<p>16.</p>	<p>Summary of Course Content:</p> <ol style="list-style-type: none"> 1. Introduction to urban coastal areas. Study of the coastal cities of the world (2 hours). 2. Relationship between the evolution of the world's coastal cities and coastal marine ecosystems of interest to Integrated Coastal Zone Management (2 hours). 3. Exercise: Coastal Cities and Agglomerations (2 hours). 4. Cities in the coastal socio-ecological system. Socioecological perspective of urban development (2 hours). 5. Applying socio-ecological perspective. Group exercise: Identify urban coastal socio-ecological systems (2 hours). 6. Ecosystem services in coastal cities (2 hours). 8. Group exercise: New initiatives for ecosystem based management in coastal urban areas (2 hours).
<p>17.</p>	<p>Key Skills Taught:</p> <p>Skills for the management of urban coastal areas at different scales</p> <p>Knowledge about the coastal urban reality in the world</p> <p>Skills for the implementation of coastal management initiatives in the urban area with an ecosystem approach</p>
<p>18.</p>	<p>Assessment Methods:</p> <ol style="list-style-type: none"> 1. Attendance and participation in theoretical and practical lessons 2. Exhibitions and / or defenses of exercises, themes and works

19. Assessment Criteria:

A successful candidate should have or be able to do the following:

Threshold

A basic understanding of the appropriate science and modelling approach and a reasonable understanding of the model results and their implications.

Good

A good understanding of the science and correct model results which are presented and interpreted to a good standard, with some reference to independent literature data and results.

Excellent

A good to excellent understanding of the science and correct model results which are presented and interpreted to a high standard, with plenty of references used for comparisons and to critically evaluate the results.

20.	<p>Resource Implications of Proposal and Proposed Solutions:</p> <p><i>(Recommended Bibliography: compulsory, optional, other sources of information)</i></p> <ul style="list-style-type: none"> - Balk, D., Montgomery, M.R., McGranahan. G., Kim, K., Mara, V., Todd, M., Buettner, T., Dorélien, A., 2009. Mapping Urban Settlements and the Risks of Climate Change in Africa, Asia and South America, in Population Dynamics and Climate Change. International Institute for Environment and Development. 80-103. - Barbier, E.B., Hacker, S.D., Kennedy, C., Koch, E.W., Stier, A.C., Siliman, B.R., 2011. The value of estuarine and coastal ecosystem services. Ecological Monographs. Ecological Society of America. 81(2), 169–193. - Barragán, J. M. 2014. Política, gestión y litoral. Una nueva visión de la gestión integrada de áreas litorales. UNESCO y Editorial Tébar, Madrid, 620 pp. - Barragán, J. M. 2010. Coastal management and public policy in Spain. Ocean & Coastal Management, v. 53: 209- 217 pp. - Barragán, J. M., Chica, J. A. y Pérez-Cayeiro, M. L. 2008. Propuesta de Estrategia Andaluza de Gestión Integrada de Zonas Costeras. Consejería de Medio Ambiente de la Junta de Andalucía, Cádiz, 255 pp. - De Andrés García, M.; Barragán, J.M.; García Sanabria, J. Relationships between coastal urbanization and ecosystems in Spain. Cities (2017), Vol. 68. 8-17. - García-Sanabria, J.; Barragán, J.M. "Formulation of the integrated management Strategy of the socioecological system of Mar Menor: lessons learned" (in press) - García-Sanabria, J., García-Onetti, J., Barragán, J. M. 2011. Las CCAA y la gestión integrada de las áreas litorales en España. Materiales para un debate sobre gobernanza. Fundación Biodiversidad y Universidad de Cádiz, 220 pp. - García-Sanabria, J. 2014. The scope of marine spatial planning and integrated coastal zone management: new challenges for the future. Journal of Coastal Development. J Coast Dev 2014, 17:2 - García-Sanabria, J. 2014. La planificación espacial marina: una herramienta útil para diferentes ámbitos de aplicación. 7th International Congress for Spatial Planning. Edita: Asociación Interprofesional de Ordenación del Territorio FUNDICOT. I.S.S.N.:2386-6993. Depósito legal: M-31392-2014 - García-Sanabria, J. 2015. The approach of Integrated Coastal Zone Management: from technical to political point of view. Journal of Coastal Zone Management. J Coast Zone Manag 2015, 18:2 - McGranahan, G., Marcotullio, P. (Coordinating Lead Authors), 2004. Urban Systems. The Millennium Ecosystem Assessment. 27, 796-825. - McGranahan, G., Balk, D., Anderson, B., 2007. The rising tide: assessing the risks of climate change and human settlements in low elevation coastal zones. Environment & Urbanization. International Institute for Environment and Development (IIED). 17 Vol 19(1), 17–37. - UNEP, 2006. Marine and coastal ecosystems and human wellbeing: A synthesis report based on the findings of the Millennium Ecosystem Assessment. 76 pp.
21.	<p>Does this module replace existing provision? If so, please indicate modules to be replaced:</p> <p>The module fits in the area of “Environmental legislation”</p>
22.	<p>Start Date:</p> <p>First year, second semester</p>
23.	<p>Is it intended that the module be available every year?</p> <p>Yes</p>