# TEACHING MODULES INFORMATION
# EMJMD WACOMA (academic year 2018/19)

| | |
|---|---|
| **1.** | **Module Title:**<br>Data management and interpretation |
| **2.** | **Module Code:**<br>(not necessary yet) |
| **3.** | **Maximum Number of Students:** |
| **4.** | **Total ECTS Credits:**<br>2 ECTS |
| **5.** | **Month:**<br>Second year, second semester |
| **6.** | **Notional Learning Hours (Please fill a number in box)**:<br>**(a) Contact Time - e.g in the classroom, or fieldwork** *14 hours*<br>**(b) Private Study - reading time, preparing and taking assessments** *36 hours*<br><br>**Format of Teaching:**<br>Lectures 2 Hours (a)<br>Laboratories or Practicals Hours<br>Other (computer workshops) 12 Hours (a)<br>Other (private study) 36 Hours (b)<br><br>**Teaching Strategy:**<br>Lectures – 1<br>Workshops – 6<br>Tutorials – |
| **7.** | **Convener:**<br>Gloria Peralta |
| **8.** | **Institution:**<br>University of Cádiz |
| **9.** | **Level (Please tick Y):**<br>Master Degree |
| **10.** | **Language(s) of Tuition**:<br>English |
| **11.** | **Pre-requisites:**<br>It is unlikely that there will be prerequisites beyond the entrance qualifications for a science-based Masters programme. |
| **12.** | **Co-requisites:**<br>None |
| **13.** | **Programme(s) for which module is core:**<br>Erasmus Mundus Joint Master Degree in Water and Coastal Management (WACOMA) |

| | |
|---|---|
| **14.** | **Module Description - The Purpose or Aims:**<br>To understand the importance of organizing scientific data as interoperable databases for wide-spreading knowledge generation.<br>To learn organizing scientific databases and spreadsheet tools to summarize scientific information. |
| **15.** | **Learning Outcomes:** |
| **16.** | **Summary of Course Content:**<br>• Open source database structure.<br>• Types of variables and use of categorical ones for processing information.<br>• Spreadsheet tools for basic database processing.<br>• Study cases: working with scientific data. |
| **17.** | **Key Skills Taught:** |
| **18.** | **Assessment Methods:**<br>Practical assignment (70%), Participation during the course (30%) |
| **19.** | **Assessment Criteria:**<br>A successful candidate should have or be able to do the following:<br><br>***Threshold***<br>A basic understanding of the appropriate science and modelling approach and a reasonable understanding of the model results and their implications.<br><br>***Good***<br>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.<br><br>***Excellent***<br>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.** | **Resource Implications of Proposal and Proposed Solutions**:<br><br>***(Recommended Bibliography: compulsory, optional, other sources of information)***<br><br>**Specific Resource Implications for Students**: |
| **21.** | **Does this module replace existing provision? If so, please indicate modules to be replaced:**<br>Not /Applicable |

| | |
|---|---|
| **22.** | **Start Date:**<br>Second year, second semester |
| **23.** | **Is it intended that the module be available every year?**<br>YES |