

**Standard Master program in Environmental Science  
(Environment and Sustainable Development)**

*(Dated October 29<sup>th</sup>, 2015)*

|   |                      |
|---|----------------------|
| The total minimum required number of credits: | <b>66 credits</b>    |
| - General courses (required):                 | <b>07 credits</b>    |
| - Fundamental and core courses:               | <b>41 credits</b>    |
| + Required:                                   | <b>20 credits</b>    |
| + Elective:                                   | <b>21/56 credits</b> |
| - Master thesis:                              | <b>18 credits</b>    |

**Available curriculum**

| No          | Code                                | Subjects                                   | Credits   | Credit hours   |                 |                   | Prerequisite |
|-------------|-------------------------------------|--|-----------|----------------|-----------------|-------------------|--------------|
|             |                                     |  |           | <i>Lecture</i> | <i>Practice</i> | <i>Self-study</i> |              |
| <b>I</b>    | <b>General courses</b>              |  | <b>7</b>  |                |                 |                   |              |
| 1           | PHI 5001                            | <i>Philosophy</i>                          | 3         | 30             | 15              | 0                 |              |
| 2           | ENG 5001                            | <i>General English</i>                     | 4         | 30             | 30              | 0                 |              |
| <b>II</b>   | <b>Fundamental and core courses</b> |  | <b>41</b> |                |                 |                   |              |
| <b>II.1</b> | <b>Required</b>                     |  | <b>20</b> |                |                 |                   |              |
| 3           | ENG 6001                            | <i>English for Academic Purposes</i>       | 3         | 15             | 15              | 15                | ENG5001      |
| 4           | EVS 6102                            | <i>Principles of Environmental Science</i> | 3         | 30             | 10              | 5                 |              |
| 5           | EVS 6103                            | <i>Principal Environmental Technology</i>  | 3         | 27             | 12              | 6                 | EVS6102      |
| 6           | EVS 6123                            | <i>Sustainability science</i>              | 3         | 45             | 0               | 0                 |              |

| No          | Code                   | Subjects  | Credits      | Credit hours |          |            | Prerequisite |
|-------------|------------------------|---|--------------|--------------|----------|------------|--------------|
|             |                        |   |              | Lecture      | Practice | Self-study |              |
| 7           | EVS 6222               | <i>Biodiversity and Conservation</i>  | 2            | 15           | 10       | 5          |              |
| 8           | EVS 6223               | <i>Human Ecology</i>  | 2            | 20           | 10       | 0          |              |
| 9           | EVS 6224               | <i>Strategic Environmental Assessment and Environmental Impact Assessment</i> | 2            | 20           | 5        | 5          |              |
| 10          | EVS 6225               | <i>Field Study</i>  | 2            | 5            | 20       | 5          |              |
| <b>II.2</b> | <b><i>Elective</i></b> |   | <b>21/56</b> |              |          |            |              |
| 11          | EVS 6106               | <i>Scientific Research methods</i>  | 3            | 30           | 15       | 0          |              |
| 12          | EVS 6107               | <i>Ethics and Environmental Policy</i>  | 3            | 30           | 15       | 0          |              |
| 13          | EVS 6108               | <i>Environmental Quality Assessment and Control</i>                           | 3            | 25           | 15       | 5          | EVS6103      |
| 14          | EVS 6109               | <i>GIS and Remote Sensing Application of Environment</i>                      | 3            | 25           | 10       | 10         |              |
| 15          | EVS 6110               | <i>Applied Mathematics for Environmental science</i>                          | 3            | 25           | 15       | 5          |              |
| 16          | EVS 6231               | <i>Environmental Planning</i>   | 2            | 15           | 10       | 5          |              |
| 17          | EVS 6232               | <i>Environmental Economics</i>  | 2            | 15           | 10       | 5          |              |
| 18          | EVS 6233               | <i>Ecosystem Ecology</i>  | 2            | 15           | 10       | 5          |              |
| 19          | EVS 6234               | <i>Zoning and Territorial Planning</i>  | 2            | 15           | 10       | 5          |              |

| No | Code     | Subjects  | Credits | Credit hours |          |            | Prerequisite |
|----|----------|---|---------|--------------|----------|------------|--------------|
|    |          |   |         | Lecture      | Practice | Self-study |              |
| 20 | EVS 6235 | <i>Law, Policy on Environment and Natural Resources</i>     | 2       | 20           | 0        | 10         |              |
| 21 | EVS 6236 | <i>Environmental Sociology</i>                              | 2       | 15           | 10       | 5          |              |
| 22 | EVS 6237 | <i>Area Study: Theory and Research Methods</i>              | 2       | 15           | 10       | 5          |              |
| 23 | EVS 6238 | <i>Forest Ecosystems and Social Forestry</i>                | 2       | 15           | 10       | 5          |              |
| 24 | EVS 6239 | <i>Wetland Ecosystem</i>                                    | 2       | 15           | 10       | 5          |              |
| 25 | EVS 6240 | <i>Agricultural Ecology</i>                                 | 2       | 15           | 10       | 5          |              |
| 26 | EVS 6241 | <i>Environmental and Human Health</i>                       | 2       | 15           | 10       | 5          | EVS6102      |
| 27 | EVS 6242 | <i>Integrated Watershed Management</i>                      | 2       | 15           | 10       | 5          |              |
| 28 | EVS 6243 | <i>Climate Change</i>                                       | 2       | 15           | 10       | 5          | EVS6102      |
| 29 | EVS 6244 | <i>Global and Local Issues in Resources and Environment</i> | 2       | 15           | 5        | 10         |              |
| 30 | EVS 6245 | <i>Environmental Education and Sustainable Development</i>  | 2       | 15           | 10       | 5          |              |
| 31 | EVS 6226 | <i>Toxical ecology</i>                                      | 2       | 15           | 10       | 5          |              |
| 32 | EVS 6227 | <i>Environment and Community Development</i>                | 3       | 25           | 10       | 10         |              |
| 33 | EVS 6228 | <i>Population - Settlement and Environment</i>              | 2       | 15           | 10       | 5          |              |

| No         | Code     | Subjects                               | Credits   | Credit hours |          |            | Prerequisite |
|------------|----------|--|-----------|--------------|----------|------------|--------------|
|            |          |  |           | Lecture      | Practice | Self-study |              |
| 34         | EVS 6229 | <i>Oceanic Sustainable Development</i> | 2         | 20           | 5        | 5          |              |
| 35         | EVS 6230 | <i>Modeling of ecosystems</i>          | 2         | 20           | 5        | 5          |              |
| <b>III</b> | EVS 7006 | <i>Master Thesis</i>                   | <b>18</b> |              |          |            |              |
|            |          | <b>Total</b>                           | <b>66</b> |              |          |            |              |