**East Central College Department-Division : Env. Science Department – Science Division**

**Program Assessment Planning Document Semester & Academic year: Updated Spring 2013**

**East Central College learning objectives** **(general education objectives and CLOs)** **& program objectives that this assessment will support.**

|  |  |
| --- | --- |
| 1. **General Education Objectives** | 1. **Common Learning Objectives** |
| 1. Life and Physical Science | 1. Creative and critical thinking |
| 1. Higher order thinking | 1. Ethics and social responsibility |
| 1. Global |  |
|  | 1. **Program objectives** (Unit specific) |

***Report and Review Cycles:*** Reports and program reviews for each Unit will be performed in 5 year cycles. Review years for each Unit are specified below

***Unit I*: Consists of General Education Courses from Biology (IA) and Environmental Science (IB) Departments- 2013, 2018 and 2023**

***Unit IB*: General Education Courses in the Environmental Science Department (ES)**

1. **Program objectives:**

*a. Describe and apply basic biological and physical concepts*

*b. Apply the scientific method of creating and testing hypotheses.*

*c. Apply new understanding of the chemistry, physics and biology in novel ways that are useful to humans or that solve problems faced by humans*

*d. Gather and analyze appropriate numerical information including creating and interpretation of graphs and diagrams.*

|  |  |  |  |
| --- | --- | --- | --- |
| Target Course | Objectives met | Assessment Tool | Assessment Cycle |
| **Environmental Science**  (ES 1023) | I.a, & I.b | Semester exams, online discussion forums on environmental issues & departmental pre-test and post-test | Semester of course offering |
| II.a, | CAAP test | To be determined by the college. |
| II.b | Under development by college |  |
| III.a, III.b, III.c,& III.d | Appropriate assessment tool (including pre- and post-test, online discussion forums) for the objective chosen will be used  Tools for some objectives is under development | Each objective will be assessed individually on a cyclic basis |

**Note: Refer to Biology Department assessment plan for Unit IA course assessment plans. Unit I includes all General Education courses that meet the Life Science requirement.**