**Core Curriculum New Course Submission Worksheet**

**Core Concepts IIA Scientific Concepts (4hrs)**

**II. Core Concepts**

**Goal:** The Core Curriculum seeks to introduce students to methods of inquiry and practice within and across disciplines, including scientific concepts and the practice of scientific inquiry, individual and social human behavior, and humanistic thought from a national and global perspective.

1. **Scientific Concepts (4 hours)**

**Objective:** Students will recognize scientific evidence and apply the basic principles of scientific inquiry.

**Learning Outcomes: Students will be able to:**

* 1. Apply the methods of scientific inquiry.
	2. Analyze evidence using scientific methods.

**Instructions:**

The worksheet has **5 parts** that will need to be completed. Each part will have specific instructions included in that section. You will have to fill out all parts of this worksheet.

1. Core Course SLO to Core Goal SLO Justification
2. Core Course Syllabus (Separate uploaded file)
3. Core Course Assessment Plan
4. Core Course Rubric (Separate uploaded file)
5. Core Course Assessment Tool (Separate uploaded file)

Approved: 4/10/2015 Core Curriculum Committee, updated 4/29/2022

**Part I. Core Course SLO to Core Goal SLO Justification**

**Instructions:**

1. Please make sure to fill out the Course Prefix and Number and the Course Title boxes.
2. Please check any boxes in the Examples column you feel are covered in the course. The list is not comprehensive, and you do not need to cover all or any items on the list.
3. For the Related Course SLO column,
	1. Provide a list of course SLO’s that specifically apply to the listed Core SLO
	2. Under that list, in the same box, provide a brief description of specific things done in the course that address how those course SLO’s and checked Examples are covered. The boxes will auto expand to cover any text you wish to include.

**Course Prefix and Number:** Click or tap here to enter text. **Course Title:** Click or tap here to enter text.

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| --- | --- | --- |
| SLO’s | **Examples/Questions/ Guide for alignment:** Does the course require students to do any of the following? | **Related Course SLO(s)** How do course SLOs align with the Core Curriculum SLOs? |
| SLO1Apply the methods of scientific inquiry. | [ ]  Propose one or more solutions/hypotheses/research methodologies that indicate a thorough comprehension of the problem.[ ]  Develop solutions/hypotheses/research methodologies that are sensitive to contextual factors including: ethical, logical, historical and cultural dimensions of the problem. | **Course SLO listCourse SLO coverage description** |
| SLO2Analyze evidence using scientific methods. | [ ]  Organize and synthesize evidence to reveal insightful patterns, differences or similarities related to focus.[ ]  Evaluate solutions thoroughly.[ ]  Apply logic/reasoning.[ ]  Examine feasibility of solution/s and weighs the impact of solution/s. | **Course SLO listCourse SLO coverage description** |

**Part II. Core Course Syllabus**

**Instructions:**

Please upload an example syllabus that includes the following statement somewhere either with the course outcomes or close to the course description in the syllabus:

This course meets the student learning outcomes for Core Goal IIA Scientific Concepts which are:

1. Apply the methods of scientific inquiry.
2. Analyze evidence using scientific methods.

Formatting can be based upon what you use for your syllabus.

**Part III. Core Course Assessment Plan**

**Instructions:**

Provide the requested information in the provided text boxes

1. Course Offering Semesters
2. Academic Year for Next Planned Course Assessment
3. Proposed Sampling for Assessment
4. Proposed Assessment for Each SLO

A few things to note for assessment:

* Assessment must be done on EACH outcome for the goal.
* Each course must submit its own plan at the start of the semester prior to the start of the Core assessment year.
* Each course will need to go through the recertification process at the start of the semester prior to the start of the Core assessment year.
* Data needs to be collected separately for the Fall and Spring semesters.
* Data is going to be reported using the new Outcomes system which require you to report data based upon the number of students meeting the criteria for each level. You will not be able to report an average value in Outcomes.

**Course Offering Semesters:** Click or tap here to enter text.

*Please include in the above box the semesters the course is typically offered.*

**Assessment Year:** Click or tap here to enter text.

*Please indicate in the above box the academic year the next assessment will take place on this course. The current planned rotation is listed on the* [*https://www.coastal.edu/info/facstaff/corecurriculum/assess/*](https://www.coastal.edu/info/facstaff/corecurriculum/assess/) *.*

**Part III. Core Course Assessment Plan Continued**

**Learning Outcomes:**

**IIA.1 Apply the methods of scientific inquiry.**

Please replace this text with a description of the assessment you plan on using for this and how that assessment specifically measures this specific outcome. Also, please include your plan for obtaining a representative sampling of the students for this outcome. Please note that data must be collected for both the Fall and Spring semesters separately to allow for reporting the data separately by semester.

**IIA.2 Analyze evidence using scientific methods.**

Please replace this text with a description of the assessment you plan on using for this and how that assessment specifically measures this specific outcome. Also, please include your plan for obtaining a representative sampling of the students for this outcome. Please note that data must be collected for both the Fall and Spring semesters separately to allow for reporting the data separately by semester.

**Proposed Course Sampling**

Please replace this text with a description of the proposed plan for sampling within your course during the assessment process.

**Part IV. Core Course Assessment Rubric**

**Rubric:**

**Instructions:**

*Please upload the course assessment tool rubric that is based upon the appropriate Core assessment value rubric found at* <https://www.coastal.edu/info/facstaff/corecurriculum/assess/>. *While there may be some variation to the rubric, you must keep the basic value expectations of Exceeded, Met, Partially Met and Not Met. Any Null values will be reported as Not Met.*

**Part V. Core Course Assessment Tool**

**Assessment Tool:**

**Instructions:**

*Please separately upload a copy of your proposed assessment tool for the Core assessment for the course.*