Re-Approval Form for NASP Liberal Arts Perspective Course

(For current course)

**Date**:

**Instructor’s Name**:

Department and Course Number:

Course Title:

Catalog course description:

The criteria for NASP courses are listed in Appendix A of the Faculty Handbook. These criteria are as follows:

Natural Science Perspective (NASP)

GOALS

Liberal Arts Perspective courses in Natural Science introduce the student to the mechanisms of natural and life processes, and the quantitative basis for understanding these processes. As such, they focus on the evidence, theories, and methods of the natural sciences and place them in a historical context. They also place some emphasis on the strengths and limitations of the methods employed, the philosophical assumptions, the boundaries and connections with other disciplines, and relationships to social, ethical, and political problems.

COURSE CRITERIA

Courses in this area will provide students with:

1. knowledge of factual information about some aspect of the natural world;
2. knowledge of the concepts, principles, and theories that scientists use to organize and explain those facts;
3. familiarity with the application of scientific concepts and principles to the solution of problems;
4. acquaintance with the historical development and philosophical implications of the scientific concepts; and
5. sensitivity to the ethical and social impact of science and technology.

All courses include a laboratory component to ensure direct experience with naturally occurring phenomena; the laboratory component teaches techniques and methods that scientists use to gather evidence and test hypotheses. The laboratory component will include some elements of observation, collection and analysis of data, and/or other methods of experimentation that involve direct contact with some aspect of the natural world.

STUDENT LEARNING OUTCOMES

1. Students will demonstrate factual knowledge about some aspect of the natural world.

2. Students will describe the ways by which scientists organize knowledge into fundamental principles or theories that explain facts and make predictions about the natural world.

3. Students will employ scientific concepts, principles, and methodologies to solve problems or generate explanations about the natural world.

4. Students will describe the historical and/or cultural context and analyze the philosophical implications of one or more important scientific concepts.

5. Students will engage critically with the ethical and social impacts of science and technology

1. **Describe in detail how the course fulfills the specific criteria mentioned above**:

1. **How will information about course criteria and student learning outcomes be communicated to the students taking the course? (Examples include: stated on syllabus, verbally communicated in class, placed on Moodle site, etc.)**

1. **Please provide examples of assignments in the course that address the student learning outcomes mentioned in the criteria above. Please identify in parentheses the SLO met by the assignments you describe. (Descriptions are satisfactory, there is no need to provide the actual assignment)**

1. **How will you/your department communicate the expectations that this course meet the criteria, and that the student learning outcomes be assessed, to faculty teaching the course?**

**Submit this form to the Provost’s Office at the following email address:** [courseproposal@gustavus.edu](mailto:courseproposal@gustavus.edu)