1. Prepared by: __________________________________________________

2. Date submitted: __________________________________________________

3. Date approved: __________ Date revised: 4/8/2015

4. Department/discipline: Geography

5. Department(s) endorsement(s): __________________________________________________
(Signatures of the person(s) providing the endorsement are required.)

6. Course Title: Physical Geography

   Abbreviated course title (25 characters or less):

7. Course Designator: GEOG

8. Course Level: 1010

9. Number of Credits: Lecture: 3_ Lab: 0

10. Control Number (on site): 60

    Control Number (online): 25

11. Catalog/Course description:

    This course provides an introduction to the spatial patterns of the earth's physical
    environment highlighting maps, earth-sun relationships, weather, climate, water
    resources, soil, vegetation, and land forms. Students will perform lab-like
    activities through individual field experiences investigating physical aspects of
    local landscapes. (Meets MnTC goal areas 3 & 10)

12. Course prerequisite(s) or co-requisite(s):

    Prerequisite(s): None

    Co-requisite: None

13. Course Materials (Recommended course materials and resources. List all that
    apply, e.g. textbooks, workbooks, study guides, lab manuals, videos, guest
    lecturers).

    1. Text determined on a yearly basis depending on availability and content.
14. **Course Content** (Provide an outline of major topics covered in course)
   1. Physical Geography Concepts
   2. Earth-Sun Relationships
   3. Atmosphere
   4. Hydrosphere
   5. Biosphere
   6. Litrospere
   7. Cryosphere

8. **Learning Goals, Outcomes, and Assessment**
   At FDLTCC we have 4 Competencies Across the Curriculum (CAC) areas. They are as follows:

   A. Information Literacy (the ability to use print and/or non-print tools effectively for the discovery, acquisition, and evaluation of information)

   B. Ability to Communicate (the ability to listen, read, comprehend, and/or deliver information in a variety of formats.)

   C. Problem Solving (the ability to conceptualize, apply, analyze, synthesize, and/or evaluate information to formulate and solve problems.)

   D. Culture (knowledge of Anishinaabe traditions and culture, knowledge of one’s own traditions and culture, knowledge of others’ traditions and cultures, culture of work, culture of academic disciplines and/or respect for global diversity.)

   *Course learning outcomes will fulfill the identified competencies:*

   **Course Learning Outcomes:**

   Upon completion of this course, students will be able to:
   1. Discuss how the scientific method is used to learn about the Earth. (A, B) (3-1)
   2. Explain structure of the atmosphere and the difference between weather and climate. (A, B, C) (10-1)
   3. Describe soil horizons and discuss the distribution of various soil orders. (B) (3-2, 10-1)
   4. Identify the location of plate boundaries and investigate how this influences the location of tectonic and volcanic events. (B, C) (3-1)
   5. Describe the hydrologic cycle. (A, B, C)
   6. Describe an ecoregion. (B, C) (10-2)
   7. Discuss how physical processes influence topography. (B, C)
   8. Examine how humans interact with the physical environment. (C) (3-4, 10-4, 10-5)
   9. Summarize a student’s personal geography (local geographic characteristics). (A, B, C, D) (10-2)
9. **Minnesota Transfer Curriculum (MnTC):** If this course fulfills an MnTC goal area, state the goal area and list the goals and outcomes below:

See [www.mntransfer.org](http://www.mntransfer.org)

Goal Area(s): 3 & 10

Goal and Outcomes:
- Goal 3: Natural Sciences 1,2,4
- Goal 10: People and the Environment 1,2,4,5
- Outcome:
Complete the following only if you are proposing a new course:

1. Planned pattern of offering:
2. Rationale for course: If this course is an ADDITION or replacement to current offerings, add a detailed explanation of the necessity for the change.
3. Does this course overlap with any course(s) offered at FDLTCC? If so, justify such duplication or indicate other adjustments to be made. Obtain signatures from affected departments.
4. What is the apparent or expressed student need for this course?
5. If this course includes a Native American or specifically Anishinaabe component list campus resource person/s—i.e., campus cultural/spiritual resource person/s and, if necessary, elder/s—consulted and include specific comments and written responses as appropriate.
6. Are there any additional licensing/certification requirements involved?
   a. Provide a copy of the required licensing/certification standards to the AASC chair and to the vice president of academic affairs.
   b. Attach the required documentation to show course meets required licensing/certification standards.
7. What types of tutoring will be made available through the CAA to students taking this course?
8. How will the course be evaluated?
9. Special resources—e.g. faculty, space, equipment, library, etc
10. Special course fees:
11. Relationship of course to the college mission statement and goals.
12. Relationship of course to the department’s mission statement and goals.
13. Relationship of course to colleges/university offerings (include tribal colleges).

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