



North Central Michigan College Master Course Syllabus

PART 1:

Course Name: Environmental Geography

Course Number: GEO 111

Credit Hrs. 3 Lecture Hrs. 3 Lab Hrs. 0 Clinical Hrs. 0 Variable Hrs. 0

Total Hours of Instruction: 3 Total Contact Hours: 52.8
(Total Contact hour's formula: (lecture hrs. + lab hrs. + clinical hrs) x 17.6)

Course Description:

An overview of the world's physical environment and humanity's place in that surrounding. Soil, climate, landform, vegetation and water will be major themes, as will population, use of resources/energy, and humanity's relationship with the environment.

Prerequisite (s): None

Co-requisite (s): None

Course Objectives:

- Discover the environmental dimensions of the physical earth.
- Identify the interdependency of all forms of life on earth.
- Demonstrate the impact that humanity has had on the environment, as well as the environment's impact on humanity.
- Demonstrate where different places, both physical and cultural, are on the earth as far as location is concerned, and the significance of place-name geography.
- Describe global environmental projection, especially population growth and resources utilization.
- Complete a written report and an oral presentation on elements of environmental geography.

Reasonable accommodations can be provided for students with documented disabilities. Please contact Learning Support Services to arrange for these (231)348-6687 or (231)348-6817, Room 533 SCRC.



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PART 2:

Course Objectives and Linked Lumina DQP Outcomes

See **PART 3** of this syllabus for the complete language of each Lumina DQP outcome.

*Please identify the Lumina DQP outcome(s) supported by the course objectives. List each course objectives (from **PART 1**), followed by the corresponding Lumina DQP Outcome number(s) in parentheses.*

- Discover the environmental dimensions of the physical earth. (DQP 2, 4)
- Identify the interdependency of all forms of life on earth. (DQP 5, 10)
- Demonstrate the impact that humanity has had on the environment, as well as the environment's impact on humanity. (DQP 13)
- Demonstrate where different places, both physical and cultural, are on the earth as far as location is concerned, and the significance of place-name geography. (DQP 13)
- Describe global environmental projection, especially population growth and resources utilization. (DQP 6, 7, 10)
- Complete a written report and an oral presentation on elements of environmental geography. (DQP 11, 14, 16)



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Suggested Methods of Instruction:

Lecture, discussion, videos and handouts.

Suggested Methods of Assessment and Evaluation:

May include: individual writing assignments, oral presentation, exams, class participation, quizzes and tests (short answer/essay).

Adopted Text at Time of Course Adoption/Revision:

Recommended texts:

Raven and Berg, Environment, 9th Edition.

Optional Material: Readings/Handouts, and Videos

Topics Covered During the Semester:

Sequence of topics and time allowance are at the discretion of the instructor

Week 1:	Introducing Environmental Science and Sustainability, Environmental Laws, Economics and Ethics
Week 2:	Ecosystems and Energy, Ecosystems and the Physical Environment
Week 3:	Ecosystems and the Living Organisms
Week 4:	Major Ecosystems of the World
Week 5:	Human Health and Environmental Toxicology
Week 6:	The Human Population
Week 7:	The Urban Environment, Energy Consumption
Week 8:	Fossil Fuels, Renewable Energy and Nuclear Energy
Week 9:	Water: A Limited Resource, Soil Resources
Week 10:	Mineral Resources, Biological Resources
Week 11:	Land Resources, Food Resources
Week 12:	Air Pollution, Global Climate Change
Week 13:	Water Pollution and Pest Management
Week 14:	Solid and Hazardous Wastes
Week 15:	Tomorrow's World
Week 16:	Final

Part 1 & Part 2 approved by CRDAP on: 11 20 15

Part 2 approved by AD:

Date:

Part 2 approved by CRDAP Chair:

Date:

Rev02/15



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PART 3:

LUMINA DQP OUTCOMES – Use this reference sheet for **PART 2** of Master Course Syllabus.

Specialized Knowledge

1. Describes the scope and principal features of the field of study, citing at least some of its core theories and practices, and offers a similar explication of at least one related field.
2. Illustrates contemporary terminology used in the field.
3. Generates substantially error-free products, reconstructions, data, juried exhibits or performances as appropriate to the field.

Broad Integrative Knowledge

4. Describes how existing knowledge or practice is advanced, tested and revised
5. Describes and examines a range of perspectives on key debates and their significance both within the field and in society.
6. Illustrates core concepts of the field while executing analytical, practical or creative tasks.
7. Selects and applies recognized methods of the field in interpreting characteristic discipline-based problems.
8. Assembles evidence relevant to characteristic problems in the field, describes the significance of the evidence, and uses the evidence in analysis of these problems.
9. Describes the ways in which at least two disciplines define, address and interpret the importance of a contemporary challenge or problem in science, the arts, society, human services, economic life or technology.

Intellectual Skills – Analytic Inquiry

10. Identifies, categorizes and distinguishes among elements of ideas, concepts, theories and/or practical approaches to standard problems.

Intellectual Skills – Use of Information Resources

11. Identifies, categorizes, evaluates and cites multiple information resources necessary to engage in projects, papers or performance in his or her program.

Intellectual Skills – Engaging Diverse Perspectives

12. Describes how knowledge from different cultural perspectives would affect his or her interpretations of prominent problems in politics, society, the arts and/or global relations.

Intellectual Skills – Communication Fluency

13. Presents accurate calculations and symbolic operations, and explains how such calculations and operations are used in either his or her specific field of study or in interpreting social and economic trends.
14. Presents substantially error-free prose in both argumentative and narrative forms to general and specialized audiences.

Applied Learning

15. Describes in writing at least one substantial case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; applies that learning to the question; and analyzes at least one significant concept or method related to his or her course of study in light of learning outside the classroom.
16. Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question.

Civic Learning

17. Describes his or her own civic and cultural background, including its origins and development, assumptions, and predispositions.
18. Describes diverse positions, historical and contemporary, on selected democratic values or practices, and presents his or her own position on a specific problem where one or more of these values or practices are involved.
19. Takes an active role in a community context (work, service, co-curricular activities, etc.), and examines the civic issues encountered and the insights gained from the community experience.

The Degree Qualifications Profile was adopted by CRDAP: April 11, 2012