

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
GEO 121S PHYSICAL GEOGRAPHY  
3 CREDIT HOURS

**COURSE DESCRIPTION**

Survey of meteorology, climatology, the Earth's fresh water supply, and their impact on agriculture and society in general. Environmental degradation and pollution of the atmosphere, hydrosphere, and soil will be investigated. Prerequisite: Qualifying assessment scores in reading and writing or satisfactory completion of ENG 091D and ENG 093D.

**COURSE GOALS**

The student will:

Bloom's Level		Gen Ed Outcomes
2	1. Describe Earth-Sun relationships and their connection to latitude and longitude.	2, 6
4	2. Analyze the processors responsible for the evolution of surface landscapes.	1, 2, 6
1	3. Identify the general weather patterns that exist around the globe and understand the processes associated with these patterns.	2, 5
4	4. Compare general climate zones and soil profiles.	1, 6
2	5. Explain how variations in climate relate to global distributions of plants and animals.	2, 6
2	6. Differentiate between glacial, fluvial, coastal landscapes, and the processes associated with them.	2, 6
1	7. Identify components associated with weather and atmospheric processes such as cloud types, precipitation, pressure, and wind.	2
2	8. Describe global environmental change and factors responsible for it.	2, 6

**CORE VALUES**

The Core Values are a set of principles that guide in creating educational programs and environments at Edison. They are communication, ethics, critical thinking, human diversity, inquiry and respect for learning, and interpersonal skills and teamwork. The goals, objectives, and activities in this course will introduce or reinforce those Core Values whenever possible.

**COURSE TOPICS**

1. Tools of Physical Geography
2. The Earth as a Rotating Planet
3. Global Energy
4. Air Temperature
5. Atmospheric Moisture and Pressure
6. Winds and Global Circulation
7. Weather Systems
8. Global Climates
9. Biogeography and Biographic Processes
10. Global Soils
11. Earth Materials
12. Tectonic Plates and Landforms
13. Weathering
14. Mass Waste
15. Fresh Water
16. Landform Creation Through Wind, Water, and Ice