

<b>Programme</b>	BS Botany	<b>Course Code</b>	<b>BOT-207</b>	<b>Credit Hours</b>	<b>3 (2+1)</b>
<b>Course Title</b>	<b>Phytogeography ( Theory)</b>				
<b>Introduction</b>					
The course is designed to understand the forces of nature that influence origin, geographical distribution and environmental relationships of plants at global level.					
<b>Learning Outcomes</b>					
By the end of this course, students will be able to:					
<ul style="list-style-type: none"> <li>• Predict and explain general characteristics of a plant community at any random point on globe.</li> <li>• Design studies and critically evaluate data to explain Phytogeographic Patterns.</li> <li>• Effectively communicate Phytogeographic principles both verbally and in writing.</li> </ul>					
<b>Course Contents</b>					
<ul style="list-style-type: none"> <li>• <b>Introduction:</b> Concept and Importance of Phytogeography, Environmental Factors: Climatic, Physiographic, Edaphic, Biotic. Main Habitats: Terrestrial habitats, Aquatic habitats, Microhabitats, Some earlier works on Plant geography.</li> <li>• <b>Vegetation Types of Temperate and adjacent lands:</b> Deciduous Summer Forests: Northern Coniferous Forests, Warm-Temperate Rain Forests: Sclerophyllous woodlands, Heathland and Grasslands: Semi-deserts and Deserts, Salt-marshes.</li> <li>• <b>Vegetation Types of Polar Lands and High Altitudes:</b> Arctic Tundras: Arctic Scrub and heath lands: Artic fell-fields and barrens, sea side and other local types, seral types, High altitudes, Antarctic types.</li> <li>• <b>Vegetation Types of Tropical and Adjacent Lands:</b> Tropical rain forests: Tropical forests with a seasonal rhythm: Tropical and sub-tropical savannas and other grasslands. Semi-desert scrubs, Tropical and Sub-tropical deserts. Mangrove and sea-shore vegetation.</li> <li>• <b>Vegetation Types of Fresh and inland Saline Waters:</b> Characteristics of Fresh water environment: Plankton: Cryophytic communities: Benthos: Bogs and Saline water.</li> <li>• <b>Vegetation Types of Seas:</b> Some features of marine environment. Plankton: Benthic environment and life- forms: Benthos Aphotic bottoms.</li> </ul>					