

<b>A</b>	<b>Justification for introducing / Replacing the Course : Expansion of the course</b>
<b>B</b>	<b>Name of the Course : Physical Geography</b>
<b>C</b>	<b>Course Code : GGYE 102</b>
<b>D</b>	<b>Number of Credits : 03</b>
<b>E</b>	<b>Degree Programme : Bachelor of Arts General (External) Degree</b>
<b>F</b>	<b>Core/Optional Course : Core</b>
<b>G</b>	<b>Prerequisites : None</b>
<b>H</b>	<p><b>Aim of the Course</b>  The aim of this course to provides a broad view of the earth and its components; it identifies physical phenomena and stresses their distribution and relationships. The course provides introduction to all major aspects of the earth system and covers a wide range of topics from atmospheric elements to the earth's interior.</p>
<b>I</b>	<p><b>Intended Learning Outcomes</b>  At the end of the course students should be able to understand how physical processes affect our environment and understand the principles of basic climate classifications and the climate controls of each climate regime. Understand the distribution and dynamics of ecosystems, organisms, and their environments .To promote the conservation and sustainable management of the earth's recourses.</p>
<b>J</b>	<b>Number of Hours : 45</b>
<b>K</b>	<p><b>Course Content</b></p> <ul style="list-style-type: none"> <li>• <b>Introduction to Physical Geography:</b> The sun and planets planetary motions: <b>Geo system:</b> Atmosphere, Lithosphere, hydrosphere and Biosphere ; <b>Earth system</b> : Structure of the earth shape and size of the earth , earth's motions in space; coastal and fluvial. Soil ; Soil formation , soil classification , soil conservation and management strategies.</li> <li>• <b>Weather and climate:</b> Origin Composition and structure of the atmosphere, solar radiation and heat balance , elements of whether and climate , climate controls, climate classification, General circulation of the atmosphere ;<b>Hydrology</b> hydrological cycle . The processes of evapotranspiration, condensation and precipitation :interception, surface runoff and infiltration, the ground water movements and storages of subsurface water, oceans and circulation. Water resources and Management.</li> <li>• <b>The ecosystems</b> : Energy circulations and Bio geochemical cycles, foods chains and webs, various ecosystems such as forest, coastal, coral, grasslands and deserts, modification of natural ecosystems by man (environmental issues), ecosystems conservation and management strategies; <b>Natural Disaster:</b> Different types of natural disasters (cyclone, flood, Thunder and Lightning, Mass movements, Drought Forest fire, Tornadoes, Earthquakes, Volcano activities and Tusunami), Disaster management cycle and management strategies.</li> </ul>

<b>L</b>	<p><b>Assessment Scheme</b></p> <ul style="list-style-type: none"> <li>i. Time of Assessment - End of the year</li> <li>ii. Assessment Methods - Written examination</li> <li>iii. Assigned Percentage of Marks for each Component – 100%</li> </ul>
<b>M</b>	<p><b>Recommended Reading</b></p> <ul style="list-style-type: none"> <li>• Robert , N Wallen (1992) introduction to Physical Geography: Brown Publishers USA</li> <li>• John, E Oliver , John Hidore (2003) Climatology : An atmospheric science, person Education India</li> <li>• Kevin. T.Pickering and Lewis, A Owen (1994) An introduction to Global Environment issues Routledge , London.</li> <li>• Ralph .C.Scott (1989) Physical Geography: West Publishing Company, USA</li> <li>• Miller, T.G (1994) Living in the environmental, Wadsworth publishing company, USA.</li> <li>• Miller, T.G, 2004 Environmental Science, 10<sup>th</sup> edition, Thompson, USA.</li> <li>• Abbott, P.L.2006 Natural Disasters ,4<sup>th</sup> Edition, McGrew –Hill, New York.</li> <li>• Kemp, D.D. 1994.Global Environmental Issues : A Climatological Approach London:Routledge.</li> <li>• Jones, J and G Hollier , (1997), Resources, Society and Environmental Management , London, Paul Chapman Publishing Ltd.</li> </ul>