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| **Code** | ZYU3301 |
| **Level** | 3 |
| **Course Title** | Biogeography |
| **Compulsory/ Optional** | Core |
| **Credits** | 03 |
| **Prerequisites** | Pass in Zoology/Biology in A/L or Foundation in Science/ Foundation Courses |
| **Hourly breakdown** | **Theory hrs** | **Practical hrs** | **Independent Learning hrs** | **Assessment hrs** | **Total hrs** |
| Sessions 17 x 2 =34 hrs  | DS 4X3 = 12 hrs  | Lab/Field **-1**8hrs | * Sessions 17 x 3 = 51 hrs
* Online (AV material and other learning resources) = 23.5 hrs
* Lab/field (18x0.5) = 9 hrs
 | * Continuous Assessments (CA) = 2 hrs
* Practical Assessments (PA) = 0.5 hrs
 | **150 hsrs** |
| **Aim** | *Introduce* the basic terminology, concepts and principles in biogeography and *provide* knowledge and understanding on patterns of geographical variationsin nature. |
| **Programme Learning Outcomes (PLO) addressed by the course** | **PLO1: Knowledge:** Explain the fundamental, principles and broader knowledge pertaining to the chosen science disciplines offered for the degree.**PLO2: Practical Knowledge and Application**. Demonstrate the competency to use the knowledge and practical skills appropriately.**PLO3: Communication**: Demonstrate the competency in communicating efficiently and effectively to present information, ideas and concepts to the scientific community as well as to the wider society.**PLO4: Individual Work, Team Work and Leadership**: Demonstrate the competency in working independently and in groups in addressing issues in multi-disciplinary environments and completing the tasks on time through collaborative learning while exhibiting leadership. **PLO5: Creativity and Problem Solving:** Identify and analyze problems using quantitative and/or qualitative approaches using scientific methodology to provide valid conclusions. **PLO6: Adaptability and Flexibility:** Demonstrate the ability to adapt to diverse working environments using flexible approaches and strategies.  |
| **Course Learning Outcomes (CLO)** | Upon completion of this course, students will be able to:**CLO1**: Explain how and why biological diversity (mainly animals) varies in different geographical areas over the surface of our planet (PLO1, PLO2, PLO3). **CLO2**: Develop comprehensive understanding of the fundamental processes that took place in the Earth’s history (PLO1, PLO2, PLO3)**CLO3:** Discuss and interpret human evolution and their impacts on biodiversity and biogeography (PLO1, PLO2, PLO3)**CLO4:** Application of subject knowledge to understand other disciplines and natural phenomena (PLO1, PLO2, PLO3).**CLO5:** Develop specific and generic skills (by Preparation, practicing and presenting biogeography topical knowledge through group and individual power point presentations). (PLO3, PLO4, PLO5, PLO6).  |
| **Content****(Course Units, Practical, Online activities)** | **Couse material:** Unit 1: Basic patterns of biogeographyUnit II: Fundamental processes and historical impacts on biogeography Unit III: Biogeography of islands and humanity**Practical component**–Biogeography related topics are given for groups of six to prepare/PowerPoint presentation /poster.**Online component**– quizzes, submission of answers to questions sent through Moodle. |
| **Teaching-Learning methods** | * Course material + Moodle discussion forum + online material, reading supplementary material & independent learning
* Face-to-face contact: = (DS + Field )+ (Lab)
* Assessment: NBTI , NBTII + Practical Assessment (PA)+( FE )
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| **Assessment Criteria** | CA: 70% from best NBT + PA (min 30% and attendance compulsory)Overall mark (Z%) = 40% OCAM + 60% Final Examination |
| **Recommended Reading** | 1. Fundamentals of Biogeography-Richard J. Huggett, Bath Press UK
2. Biogeography Mark V. Lomolino, ‎Brett R. Riddle, ‎James H. Brown,3rd edition, Sinauer Association , USA
3. Animal Geography 1962,W George, Heinmenn Press UK
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