<table>
<tr><td>Course Code</td><td colspan="5">ZYU5608</td></tr>
<tr><td>Level</td><td colspan="5">05</td></tr>
<tr><td>Course Title</td><td colspan="5">Zoology Project</td></tr>
<tr><td>Credit value</td><td colspan="5">6 credits</td></tr>
<tr><td>Core/Optional</td><td colspan="5">Optional</td></tr>
<tr><td>Prerequisites</td><td colspan="5">B for Animal Diversity “C” grade or above for 15 credits in Level 4 Zoology course, registration for Level 5 Zoology courses, Proficiency in English, research experience</td></tr>
<tr><td rowspan="2">Hourly Breakdown</td><td>Theory</td><td>Practical hours</td><td>Independent Learning</td><td>Assessments</td><td>Total hrs</td></tr>
<tr><td>DS hrs = 12 hrs</td><td>Lab /field x other hrs = 310 hrs</td><td>Online /Audio-visual materials and other learning resources /Lab/field/Other/ references = 250 hrs</td><td>Continuous Assessments (CA) -Two presentations and reports 22 hrs -Other = 6 hrs</td><td>600 hrs</td></tr>
<tr><td>Aim</td><td colspan="5">Design and carry out a piece of original research in a specialist research laboratory or in the field</td></tr>
<tr><td>PLOs addressed by course</td><td colspan="5">: Knowledge: Explain the fundamental, principles and broader knowledge pertaining to the chosen science disciplines offered for the degree.
: Practical Knowledge and Application. Demonstrate the competency to use the knowledge and practical skills appropriately.
: 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.
: 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.
: Creativity and Problem Solving: Identify and analyze problems using quantitative and/or qualitative approaches using scientific methodology to provide valid conclusions.
: Adaptability and Flexibility: Demonstrate the ability to adapt to diverse working environments using flexible approaches and strategies.
: Information and Communication Technology Literate: Demonstrate the competency of using Information and Communication Technology for numerical and statistical analysis, and in day to day applications.
: Vision for Life: Develop the capacity to project for future through identifying self-directed goals and continuously targeting towards them for self-improvement by undertaking further studies.
: Lifelong Learning: Develop the capacity to foresee new trends and their impacts and continuously update knowledge and develop skills willingly to meet those future challenges.</td></tr>
<tr><td>Course Learning Outcomes (CLO)</td><td colspan="5">At the completion of this course student should be able to
1: learn to work independently or as part of a group/team as required (research group, for example) to address a particular bioscience question or topic (PLO 1,2,4,5).
2:be able to search for and critically review the literature in a particular field and relate your own research to that in the existing literature.(PLO1,2,5,6)
3: develop critical and creative thinking skills (develop ideas, data analysis and evaluation skills, be able to form judgements (PLO5).
4: gain experience in the scientific method and develop problem solving skills; for example, how to design experiments or develop strategies to test hypotheses and/or evaluate the output (PLO 2&7)
5: develop communication skills (PLO5).
6: write a scientific review and project report (or equivalent (PLO3&5).
7: liaise with supervisor, other staff and students, as appropriate (PLO7)
8: acquire additional project-specific skills as appropriate (such as various lab or IT skills(PLO1-8)</td></tr>
<tr><td>Content (Main topics, sub topics)</td><td colspan="5">Self-Organization
Proposal writing
Formulating a research question
Writing project proposal & Timely submission
How to carry out field and lab research
Application of statistics in data analysis and interpretation
Writing a dissertation
Application of research skills and knowledge in policy making and planning and implementation
Facing a viva voce</td></tr>
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Teaching Learning methods	**Self-Learning/Independent learning (IL)** Literature survey Literature review **Contact sessions** Contact with supervisor Contact with course coordinator Contact with relevant experts	
Assessment Criteria	Overall CA Mark (OCAM): 40%	Final Examination: 60%
	OCAM Computation: CAT1: 70% from Project Proposal + 30% from Oral Presentation of project Proposal CAT 2 :70% from Progress Report+30% from Oral Presentation of Progress OCAM= 20% CAT1 + 80% CAT 2	FEM: 70%from final report+30% from Final Presentation Overall mark (Z%) =40% OCAM + 60% Final Examination
Recommended Readings	• Wedgwood.M.A.1987, Tackling Biology Projects, Mackmilan Educational Ltd,London	