

B.Sc. ZOOLOGY

CHOICE BASED CREDIT SYSTEM –

LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (CBCS - LOCF)

(Applicable to the candidates admitted from the academic year 2022-23 onwards)

(For the 2024-2025 batch, the Naan Mudhalvan scheme has been implemented in the 2nd semester)

| Sem. | Part | Course | Title of the Course | Ins. Hrs | Credit | Exam Hours | Marks | | Total |
|------|--------------|--|--|-----------|-----------|------------|-------|------|------------|
| | | | | | | | Int. | Ext. | |
| I | I | Language Course – I Tamil \$ / Other Languages + # | | 6 | 3 | 3 | 25 | 75 | 100 |
| | II | English Course - I | | 6 | 3 | 3 | 25 | 75 | 100 |
| | III | Core Course – I (CC) | Invertebrata | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical – I (CP) | Invertebrata | 4 | 4 | 3 | 40 | 60 | 100 |
| | | First Allied Course – I (AC) | | 4 | 4 | 3 | 25 | 75 | 100 |
| | | First Allied Practical (AP) | | 3 | - | - | - | - | - |
| | IV | Value Education | | 2 | 2 | 3 | 25 | 75 | 100 |
| | TOTAL | | | 30 | 21 | - | - | - | 600 |
| II | I | Language Course - II Tamil \$ / Other Languages + # | | 6 | 3 | 3 | 25 | 75 | 100 |
| | II | English Course - II | | 4 | 3 | 3 | 25 | 75 | 100 |
| | III | Core Course – II (CC) | Chordata | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical – II (CP) | Chordata | 4 | 4 | 3 | 40 | 60 | 100 |
| | | First Allied Practical (AP) | | 3 | 2 | 3 | 40 | 60 | 100 |
| | | First Allied Course – II (AC) | | 4 | 4 | 3 | 25 | 75 | 100 |
| | | Add on Course – I ## | Professional English – I | 6* | 4 | 3 | 25 | 75 | 100 |
| | IV | Environmental Studies | | 2 | 2 | 3 | 25 | 75 | 100 |
| | VI | Naan Mudhalvan Scheme (NMS) @@ | Overview of English Language Communication | 2 | 2 | 3 | 25 | 75 | 100 |
| | TOTAL | | | 30 | 29 | - | - | - | 900 |

| | | | | | | | | | |
|-----|--------------|---|----------------------------|-----------|-----------|----------|----------|----------|------------|
| III | I | Language Course – III Tamil \$ / Other Languages + # | | 6 | 3 | 3 | 25 | 75 | 100 |
| | II | English Course - III | | 6 | 3 | 3 | 25 | 75 | 100 |
| | III | Core Course – III (CC) | Cell and Molecular Biology | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical - III (CP) | Cell and Molecular Biology | 4 | 4 | 3 | 40 | 60 | 100 |
| | | Second Allied Course – I (AC) | | 4 | 4 | 3 | 25 | 75 | 100 |
| | | Second Allied Practical (AP) | | 3 | - | - | - | - | - |
| | | Add on Course – II ## | Professional English - II | 6* | 4 | 3 | 25 | 75 | 100 |
| | IV | Non-Major Elective I @ - Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level or b) Special Tamil if Tamil language was studied upto 10 th & 12 th std. | Public Health and Hygiene | 2 | 2 | 3 | 25 | 75 | 100 |
| | TOTAL | | | 30 | 25 | - | - | - | 700 |
| | | | | | | | | | |
| IV | I | Language Course –IV Tamil \$ / Other Languages + # | | 6 | 3 | 3 | 25 | 75 | 100 |
| | II | English Course – IV | | 6 | 3 | 3 | 25 | 75 | 100 |
| | III | Core Course - IV (CC) | Microbiology | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical - IV (CP) | Microbiology | 4 | 4 | 3 | 40 | 60 | 100 |
| | | Second Allied Practical (AP) | | 3 | 2 | 3 | 40 | 60 | 100 |
| | | Second Allied Course – II (AC) | | 4 | 4 | 3 | 25 | 75 | 100 |
| | IV | Non-Major Elective II @ - Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level or b) Special Tamil if Tamil language was studied upto 10 th & 12 th std. | Economic Zoology | 2 | 2 | 3 | 25 | 75 | 100 |
| | TOTAL | | | 30 | 23 | - | - | - | 700 |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|-------------|-------|-------------------------------------|--|-----|----|---|----|------|-----|
| V | III | Core Course -V (CC) | Developmental Biology | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Course – VI (CC) | Genetics and Evolution | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Course – VII (CC) | Immunology | 5 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical -V (CP) | Developmental Biology, Genetics and Evolution & Immunology | 4 | 4 | 3 | 40 | 60 | 100 |
| | | Major Based Elective – I (Any one) | 1. Aquatic Biology 2. Biodiversity and Conservation | 5 | 4 | 3 | 25 | 75 | 100 |
| | IV | Skill Based Elective I | Aquarium fish keeping | 4 | 2 | 3 | 25 | 75 | 100 |
| | | Soft Skills Development | | 2 | 2 | 3 | 25 | 75 | 100 |
| | TOTAL | | | 30 | 27 | - | - | - | 700 |
| VI | III | Core Course - VIII (CC) | Animal Physiology | 6 | 5 | 3 | 25 | 75 | 100 |
| | | Core Course - IX (CC) | Biotechnology | 6 | 5 | 3 | 25 | 75 | 100 |
| | | Core Practical – VI (CP) | Animal Physiology and Biotechnology | 4 | 4 | 3 | 40 | 60 | 100 |
| | | Major Based Elective – II (Any one) | 1. Environmental Biology 2. Applied Entomology | 5 | 4 | 3 | 25 | 75 | 100 |
| | | Project* | | 4 | 3 | - | 20 | 80 | 100 |
| | IV | Skill Based Elective II | Medical Diagnostics | 4 | 2 | 3 | 25 | 75 | 100 |
| | V | Gender Studies | | 1 | 1 | 3 | 25 | 75 | 100 |
| | | Extension Activities ** | | - | 1 | - | - | - | - |
| | TOTAL | | | 30 | 25 | - | - | - | 700 |
| GRAND TOTAL | | | 180 | 150 | - | - | - | 4300 | |

List of Allied Courses

First Allied Course

Second Allied Course

Botany

Chemistry

- \$ For those who studied Tamil upto 10th +2 (Regular Stream).
- + Syllabus for other Languages should be on par with Tamil at degree level.
- # Those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part- I should study special Tamil in Part – IV.
- ## The Professional English – Four Streams Course is offered in the 2nd and 3rd Semester (only for 2022-2023 Batch) in all UG Courses. It will be taught apart from the Existing hours of teaching / additional hours of teaching (1 hour /day) as a 4 credit paper as an add on course on par with Major Paper and completion of the paper is must to continue his / her studies further. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).
- * The Extra 6 hrs / cycle as per the G.O. 76/2020 will be utilized for the Add on Professional English Course.
- @ NCC Course is one of the Choices in Non-Major Elective Course. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.
- ** Extension Activities shall be outside instruction hours.
- @@ Naan Mudhalvan Scheme.

SUMMARY OF CURRICULUM STRUCTURE OF UG PROGRAMMES

| Sl. No. | Part | Types of the Courses | No. of Courses | No. of Credits | Marks |
|---------|--------------|--|----------------|----------------|-------------|
| 1. | I | Language Courses | 4 | 12 | 400 |
| 2. | II | English Courses | 4 | 12 | 400 |
| 3. | III | Core Courses | 9 | 45 | 900 |
| 4. | | Core Practical | 6 | 24 | 600 |
| 5. | | Allied Courses I & II | 4 | 16 | 400 |
| 6. | | Allied Practical | 2 | 4 | 200 |
| 7. | | Major Based Elective Courses | 2 | 8 | 200 |
| 8. | | Add on Courses | 2 | 8 | 200 |
| 9. | | Project | 1 | 3 | 100 |
| 10. | IV | Non-Major Elective Courses (Practical) | 2 | 4 | 200 |
| 11. | | Skill Based Elective Courses | 2 | 4 | 200 |
| 12. | | Soft Skills Development | 1 | 2 | 100 |
| 13. | | Value Education | 1 | 2 | 100 |
| 14. | | Environmental Studies | 1 | 2 | 100 |
| 15. | V | Gender Studies | 1 | 1 | 100 |
| 16. | | Extension Activities | 1 | 1 | -- |
| 17. | VI | Naan Mudhalvan Scheme | 1 | 2 | 100 |
| | Total | | 44 | 150 | 4300 |