

BHARATHIAR UNIVERSITY: COIMBATORE 641 046

B. Sc. WILDLIFE BIOLOGY Curriculum

(For the students admitted during the academic year 2020 – 21 onwards)

| Course Code | Title of the Course | Credits | Hours/wk | | Maximum Marks | | |
|------------------------|----------------------------------------------------|-----------|----------|-----------|---------------|-----|------------|
| | | | Theory | Practical | CIA | ESE | Total |
| FIRST SEMESTER | | | | | | | |
| | Part I-Language I | 4 | 6 | - | 25 | 75 | 100 |
| | Part II-English I | 4 | 6 | - | 25 | 75 | 100 |
| | Core course I: Animal Diversity – Non Chordate | 3 | 6 | | 25 | 75 | 100 |
| | Core Practical I | - | - | 4 | - | | - |
| | Allied A: Biochemistry/Botany | 2 | 2 | - | 20 | 55 | 75 |
| | Allied Practical | - | | 2 | - | - | - |
| | Environmental Studies | 2 | 2 | - | - | - | 50 |
| | Total | 17 | | | | | 425 |
| SECOND SEMESTER | | | | | | | |
| | Part I-Language II | 4 | 6 | - | 25 | 75 | 100 |
| | Part II-English II | 4 | 6 | - | 25 | 75 | 100 |
| | Core course II: Animal Diversity – Chordate | 4 | 6 | | 25 | 75 | 100 |
| | Core Practical I | 4 | - | 4 | 40 | 60 | 100 |
| | Allied A: Biochemistry/Botany | 3 | 2 | - | 20 | 55 | 75 |
| | Allied A Practical | 2 | - | 2 | 20 | 30 | 50 |
| | Value Education – Human Rights | 2 | 2 | - | - | 50 | 50 |
| | Total | 23 | | | | | 575 |
| THIRD SEMESTER | | | | | | | |
| | Part I-Language III | 4 | 6 | - | 25 | 75 | 100 |
| | Part II-English III | 4 | 6 | - | 25 | 75 | 100 |
| | Core course I: Comparative Anatomy of Vertebrates. | 3 | 6 | | 25 | 75 | 100 |
| | Core Practical II | - | - | 4 | - | | - |
| | Allied B: Biochemistry/Botany | 2 | 2 | - | 20 | 55 | 75 |
| | Allied B Practical | - | - | 2 | - | - | - |
| | Skill Based I: Entomology | 3 | 3 | - | 20 | 55 | 75 |
| | Non Major Elective I * Yoga | 2 | 2 | - | - | - | 50 |
| | Total | 20 | | | | | 500 |
| FOURTH SEMESTER | | | | | | | |

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| | Part I-Language II | 4 | 6 | - | 25 | 75 | 100 |
| | Part II-English I | 4 | 6 | - | 25 | 75 | 100 |
| | Core course IV: Ecology, Evolution & Zoogeography | 4 | 6 | | 25 | 75 | 100 |
| | Core Practical II | 4 | - | 4 | 40 | 60 | 100 |
| | Allied B: Biochemistry/Botany | 3 | 2 | - | 20 | 55 | 75 |
| | Allied B Practical | 2 | - | 2 | 20 | 30 | 50 |
| | Skill Based I: Ornithology | 3 | 3 | - | 20 | 55 | 75 |
| | Non Major Elective II* General Awareness | 2 | 2 | - | - | - | 50 |
| | Total | 26 | | | | | 650 |
| FIFTH SEMESTER | | | | | | | |
| | Core Course V: Cell Biology & Microbiology. | 4 | 5 | - | 25 | 75 | 100 |
| | Core Course VI: Conservation Biology. | 4 | 5 | - | 25 | 75 | 100 |
| | Core Course VII: Genetics & Biotechnology. | 4 | 5 | - | 25 | 75 | 100 |
| | Core Practical III | - | - | 2 | - | - | - |
| | Core Practical IV | - | - | 2 | - | - | - |
| | Elective Course I: Forestry | 3 | 3 | | 20 | 55 | 75 |
| | Elective Course II: Indian Wildlife laws & Forensics | 2 | 3 | - | 20 | 30 | 50 |
| | Elective Course V: Practical | - | - | 2 | - | - | - |
| | Internship # | 1 | - | - | 20 | - | 25 |
| | Skill Based III: Biostatistics & Computer Applications | 3 | 3 | - | 20 | 55 | 75 |
| | TOTAL | 21 | | | | | 525 |
| SIXTH SEMESTER | | | | | | | |
| | Core Course VIII: Animal Physiology. | 4 | 5 | - | 25 | 50 | 100 |
| | Core Course IX: Developmental Biology. | 4 | 5 | - | 25 | 50 | 100 |
| | Core Course X: Animal Behaviour | 4 | 5 | - | 25 | 50 | 100 |
| | Core Practical III | 4 | - | 2 | 40 | 60 | 100 |
| | Core Practical IV | 4 | - | 2 | 40 | 60 | 100 |
| | Elective Course III: Quantitative methods in Wildlife. | 3 | 3 | - | 20 | 55 | 75 |
| | Elective Course IV: Geo-informatics | 3 | 3 | - | 20 | 55 | 75 |
| | Elective Course V: Practical | 2 | - | 2 | 20 | 30 | 50 |

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|--|------------------------------------------------|---------------|---|---|----|----|-------------|
| | Skill Based IV Wildlife Management Techniques. | 3 | 2 | - | 20 | 55 | 75 |
| | Extension activities** | 2 | 1 | * | 50 | - | 50 |
| | TOTAL | 33 | | | | | 825 |
| | GRAND TOTAL | 140 | | | | | 3500 |
| | ONLINE COURSES | | | | | | |
| | 1. | SWAYAM | | | | | |
| | 2. | MOOC'S | | | | | |

* Non Major Elective I: Basic Tamil I / Advanced Tamil I / Yoga / Women studies and Non major Elective II: Basic Tamil II / Advanced Tamil II / General Awareness.

* It is compulsory that those who opt for any languages other than Tamil, they should choose Basic Tamil (Who don't studied Tamil) or Advanced Tamil (For those who studied Tamil up to HSC).

** Only internal marks.

#Internship has to be completed in summer vacation during the time period decided by the department.

#VALUE ADDED COURSE (OPTIONAL)

| S.No | PAPAERS | TOTAL MARKS |
|------|-------------------------------|-------------|
| 1. | Tiger Monitoring. | 100 |
| 2. | Data Mining. | 100 |
| 3. | Economics of Conservation. | 100 |
| 4. | Intellectual Property Rights. | 100 |