**Doctor of Philosophy Program in Biological Science**

**Name of Degree:** Doctor of Philosophy (Biological Science)

**Abbreviation:** Ph.D. (Biological Science)

**Curriculum**

**Total Credits**

Type 1.1 48 Credits

Type 1.2 72 Credits

Type 2.1 48 Credits

Type 2.2 72 Credits

**Curriculum Structure**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **Number of Credit** | | | |
| **Type 1.1** | **Type 1.2** | **Type 2.1** | **Type 2.2** |
| Required Courses | 3 (Non Credit) | 4 (Non Credit) | 6 | 7 |
| Elective Courses | - | - | 6 | 17 |
| Dissertation | 48 | 72 | 36 | 48 |
| **Total** | 48 | 72 | 48 | 72 |

**Type 1.1 and Type 2.1**

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| 3xx xxx | Elective Courses | - | 6 |
| \*302 996 | Dissertation | 9 | - |
| \*302 994 | Special Problem in Biological Science | - | 3 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **9** | **9** |

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| \*302 990 | Seminar in Biological Science I | 1 | 1 |
| \*302 996 | Dissertation | 9 | - |
| \*302 998 | Dissertation | - | 8 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **18** | **18** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| \*302 991 | Seminar in Biological Science II | 1 (Non Credit) | 1 |
| \*302 996 | Dissertation | 9 | - |
| \*302 998 | Dissertation | - | 8 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **27** | **27** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| \*302 992 | Seminar in Biological Science III | 1 (Non Credit) | 1 |
| \*302 996 | Dissertation | 9 | - |
| \*302 998 | Dissertation | - | 8 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **36** | **36** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Third Year ,1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| \*302 996 | Dissertation | 9 | - |
| \*302 998 | Dissertation | - | 9 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **45** | **45** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Third Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.1** | **Type 2.1** |
| \*302 996 | Dissertation | 3 | - |
| \*302 998 | Dissertation | - | 3 |
| **Total credits** | | **3** | **3** |
| **Cumulative credits** | | **48** | **48** |

**Type 1.2 and Type 2.2**

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| 3xxx xxx | Elective Courses | - | 6 |
| \*302 997 | Dissertation | 9 | - |
| \*302 994 | Special Problem in Biological Science | - | 3 |
| **Total credits** | | **9** | **9** |
| **Cumulative credits** | | **9** | **9** |

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| 3xxx xxx | Elective Courses | - | 9 |
| \*302 990 | Seminar in Biological Science I | 1 (Non Credit) | 1 |
| \*302 997 | Dissertation | 10 | - |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **19** | **19** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year, 1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| 3xx xxx | Elective Courses | - | 2 |
| \*302 991 | Seminar in Biological Science II | 1 (Non Credit) | 1 |
| \*302 997 | Dissertation | 10 | - |
| \*302 999 | Dissertation | - | 7 |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **29** | **29** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Second Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| \*302 997 | Dissertation | 10 | - |
| \*302 999 | Dissertation | - | 10 |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **39** | **39** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Third Year ,1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| \*302 992 | Seminar in Biological Science III | 1 (Non Credit) | 1 |
| \*302 997 | Dissertation | 10 | - |
| \*302 999 | Dissertation | - | 9 |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **49** | **49** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Third Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| \*302 997 | Dissertation | 10 | - |
| \*302 999 | Dissertation | - | 10 |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **59** | **59** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Fourth Year ,1st Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| \*302 993 | Seminar in Biological Science IV | 1 (Non Credit) | 1 |
| \*302 997 | Dissertation | 10 | - |
| \*302 999 | Dissertation | - | 9 |
| **Total credits** | | **10** | **10** |
| **Cumulative credits** | | **69** | **69** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Fourth Year ,2nd Semester** | | **Number of Credit** | |
| **Course Number** | **Course Title** | **Type 1.2** | **Type 2.2** |
| \*302 997 | Dissertation | 3 | - |
| \*302 999 | Dissertation | - | 3 |
| **Total credits** | | **3** | **3** |
| **Cumulative credits** | | **72** | **72** |