**Notre Dame Catholic High School**

**Catholic District School Board of Eastern Ontario**

**Course Title/Code: Biology, Grade 11 University Preparation / SBI 3U**

**Prerequisite: Science, Grade 10, Academic**

**Instructor: Jason Ball, Tanya Peden**

**Text: Nelson, Biology 11**

**Course Description:**

This course furthers students' understandings of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, evolution, the diversity of living things, and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. University preparation courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs. Teaching and learning will emphasize theoretical aspects of the course content and will also include concrete applications. Emphasis is also placed on the development and demonstration of both independent research skills and independent learning skills by students.

**Strands of Study:** (possible order, approx. timeframe per section)

1. Cellular Functions (3 weeks)

2. Genetic Processes (3-4 weeks)

3. Evolution (3-4 weeks)

4. Animal Systems (3-4 weeks)

5. Diversity of Living Things (3 weeks)

6. Plants: Anatomy, Growth, and Functions (2 weeks)

**Course Evaluation:**

Student achievement will be based on an individual demonstration of the specific expectations. All major assignments will be evaluated by levels and/or marks. Overall grades will be determined using the students’ most consistent and in some areas most recent levels of achievements. For purposes of reporting, the percentage grade range will correspond to the following levels as defined by the board.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Level | Mark Code | Level | Mark Code | Level | Mark  Code | Level | Mark Code |
| 4+  4  4- | 95-100  87-94  80-86 | 3+  3  3- | 77-79  73-76  70-72 | 2+  2  2- | 67-69  63-66  60-62 | 1+  1  1- | 57-59  53-56  50-52 |

**Determining the Grade**

A student’s overall grade will be obtained from the following:

70% Summative Evaluation 10% Culminating activity, 20% Exam

(Labs, tests, assignments) (lab based)

**Formative Evaluation:**

Formative evaluation is used to measure student's learning skills and as a means of diagnostic assessment to improve learning. Learning skills will include: works independently, teamwork, organization, work habits/homework, and initiative.