

BIOLOGY

BIO 201

This course takes a broad introduction to Biology, the study of life. The basic biological ideas which are dealt with during the year are:-

- 1) *The relationship between organisms and their environment.*
- 2) *The different ways in which plants and animals function and how this is related to their structure.*
- 3) *Genetics*

As well as the knowledge of some basic biological facts, an equal emphasis is placed on the gaining of certain skills. The ability to apply biological knowledge to new situations, to solve problems, to use experimental procedures and equipment are some of these. The course is both internally and externally assessed, with standards to be selected from the following lists.

INTERNAL ASSESSMENT

Achievement/ Unit Standard	Number	Title	No of Credits
AS2.1	NYA	Carry out a practical investigation in a biological context, with supervision	4
AS2.2 (Optional)	NYA	Analyse the biological validity of information presented to the public.	3
AS2.3	NYA	Demonstrate understanding of adaptation of plants or animals to their way of life	3
AS2.6	NYA	Investigate a pattern in an ecological community	4
AS2.8	NYA	Investigate biological material at the microscopic level	3

EXTERNAL ASSESSMENT

AS 2.5	NYA	Demonstrate understanding of genetic variation and change.	4
AS 2.7	NYA	Demonstrate understanding of gene expression	4

Total number of credits offered	22
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Suggested pre-requisite : **SCI 101**

Suggested further study : **BIO 301**

Contact persons : **Mr C Reddington/Dr C Tyrrell**

