

Biology (HL) 12 (2016-2017)

Time: 8 x 35 minutes per week (HL)

Course Description:

The grade 12 IB Biology course builds on previously studied scientific concepts that encompass the human physiology at the core and the higher level. The option topic will be 'Microbes and biotechnology'. Special emphasis is given to scientific report-writing skills. The hands-on nature of scientific work, data-interpretation and communication in science is reinforced leading to a global approach to research and appreciation of the international dimension which also involves critical scrutiny. ICT skills and analytical proficiency using biostatistics underpin the internal assessments.

Resources:

**Minka Peeters Weem (2007), IB Biology, 3rd Edition, Christopher P. and Antony M; IBID press.
Andrew Allott (2008), IB Study Guide, Oxford Publication.**

Main Topics Covered:

Semester 1

- Ecology
- Evolution & Biodiversity

Data-based questions and lab investigations
Revision

Semester 2

- Human physiology
- Revision

Data-based questions and lab investigations
final submissions

Assessment

Internal Assessment	Weighting
Semester 1:	
• Continual Assessment 1 (CA1) including:	
- Topic Tests and Assignments	20
• Continual Assessment 2 (CA2) including:	
- Topic Tests and Assignments	10
• Semester 1 Examination (SA1)	70
	100
Semester 2:	
• Continual Assessment 3 (CA3) including:	
- Topic Tests and Assignments	25
• Mock Examinations (SA2)	75
	100
NB. Three reports are distributed during the year. The first comprises CA1, the second CA2 and SA1 and the third CA3 and SA2.	