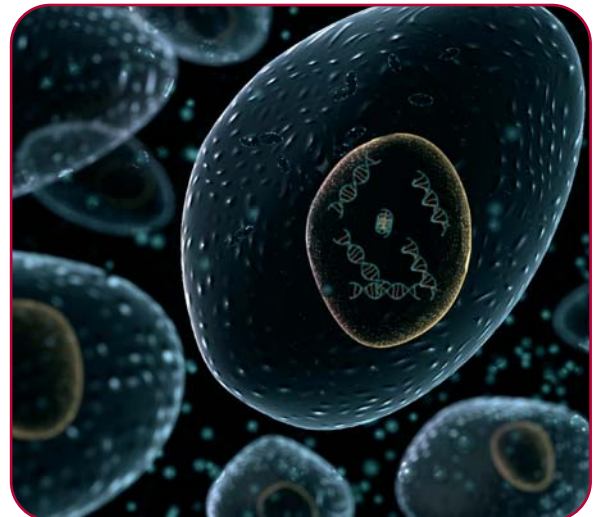




AS/A Level Human Biology

(Available for teaching from September 2008)

This specification has been written for students who wish to continue their study of Biology after GCSE, but focus on those aspects relating to Human Biology. It has been designed to enable centres to deliver the units using the framework provided or to design a custom course.



What are the benefits to me and my students of delivering this OCR specification?

- The specification has been developed in consultation with teachers, universities, research organisations (such as the Sanger Institute) and professional bodies (the Biosciences Federation and the Institute of Biology).
- The specification is based upon the existing successful GCE Human Biology specification.
- There is less emphasis on recall and more on understanding and application.
- Units F221 and F224 are designed to give you the opportunity to enter candidates in the January examination series.
- You can adopt either a staged or terminal assessment model.
- There is straightforward assessment of practical skills using OCR-set tasks and (non-hierarchical) mark schemes.
- We have retained the Extended Investigation at A2.

AS Level

Unit title	Description	Mandatory/Optional?
Mandatory	F221: Molecules, Blood and Gas Exchange <ul style="list-style-type: none"> • Molecules and Blood • Circulatory and Gas Exchange Systems 	1 hour written exam AS Level – 30% A Level – 15%
Mandatory	F222: Growth, Development and Disease <ul style="list-style-type: none"> • The Developing Cell • The Developing Individual • Infectious Disease • Non-infectious Disease 	1 hour 45 mins written exam AS Level – 50% A Level – 25%
Mandatory	F223: Practical Skills in Human Biology <ul style="list-style-type: none"> • Internal assessment of practical skills 	Internal Assessment AS Level – 20% A Level – 10%

A2 Level

Unit title	Description	Mandatory/Optional?
Mandatory	F224: Energy, Reproduction and Populations <ul style="list-style-type: none"> • Energy and Respiration • Human Reproduction and Population 	1 hour written exam A Level – 15%
Mandatory	F225: Genetics, Control and Ageing <ul style="list-style-type: none"> • Genetics in the Twenty First Century • The Nervous System • Homeostasis • 'The Third Age' 	1 hour 45 mins written exam A Level – 25%
Mandatory	F226: Extended investigation in Human Biology <ul style="list-style-type: none"> • Internal assessment of practical skills 	Internal Assessment A Level – 10%

How is this qualification assessed?

Four units (two at AS, two at A2) are externally assessed through written exams.

Two units (one at AS, one at A2) are internally assessed, moderated by post units, and will assess students' practical skills.

Practical skills units are available in the June series only.

Dates of first examinations

AS

January 2009 – Molecules, Blood and Gas Exchange
June 2009 – Growth, Development and Disease, Practical Skills in Human Biology

A2

January 2010 – Energy, Reproduction and Populations
June 2010 – Genetics, Control and Ageing, Extended investigation in Human Biology

What support will I receive?

Training

A variety of INSET courses will be available to prepare centres for the changeover and to support teachers and students after September 2008.

Publishers

Developed in close consultation with OCR, Heinemann is publishing materials for the 2008 A Level Human Biology specification.

Resources

You will be able to download all the following resources from the OCR website – www.ocr.org.uk.

- Sample Assessment Material
- Schemes of Work
- Teachers' and Technicians' guide.

For more information please contact the OCR Customer Contact Centre
on **01223 553998**, or visit www.ocr.org.uk