

SURVEY OF NATIONAL PROVISION OF HE GEOSCIENCE COURSES

These are the results carried out on a survey of Geoscience Institutions in the UK and Ireland, carried out by Dr. Mike Brooks of the Geological Society. The information is believed to be correct for 1999/2000 but neither the Geological Society nor CHUGD can be held responsible for errors and/or omissions.

CHUGD is very grateful to acknowledge Dr. Brooks for collecting and providing this material.

Institutional details	
University Name	Aberdeen
Department/School/Division Name	Geology & Petroleum Geology
Contact Name	Dr Mike Simmons / Dr Gordon Walkden
Tel No	01224 273438 / 01224 273455
E-mail address	m.d.simmons@abdn.ac.uk / g.walkden@abdn.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology & Petroleum Geology Geoscience Geography & Geoscience	30 5 3
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Petroleum Geology MSc Technology & Management in the Oil & Gas Industry	26 10
Other courses (please specify)	PhD by research	6 - 10

Institutional details	
University Name	University of Wales
Department/School/Division Name	Institute of Geography & Earth Sciences
Contact Name	Mr Ian Laidlaw

Tel No	01970-622606
E-mail address	iml@aber.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Environmental Earth Science	c. 35
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	Environmental Techniques in Earth System Science (New 1999/2000)	8 initially; target 15+
Other courses (please specify)		

Institutional details	
University Name	University of Exeter
Department/School/Division Name	Camborne School of Mines
Contact Name	Professor Peter W. Scott
Tel No	01209-714866
E-mail address	admissions@csm.ex.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Applied Geology BSc Engineering Geology (from 2001)	25
Masters honours degree courses		

Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Mining Geology MSc Industrial Rocks and Minerals	15 5
Other courses (please specify)		

Institutional details	
University Name	Cambridge
Department/School/Division Name	Earth Sciences
Contact Name	Miss M I Johnston
Tel No	01223 333421
E-mail address	mij10@esc.cam.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BA Hons Geological Sciences (3-yr degree)	10
Masters honours degree courses	MSci Geological Sciences (Master of Natural Sciences) (4-yr degree)	30
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos

		graduating
Taught Masters courses	MPhil in Quantitative Modelling of Industrial Processes in the Natural Resources Sector (New MRes course in October 2000)	10
Other courses (please specify)		

Institutional details	
University Name	Cheltenham & Gloucester College of Higher Education
Department/School/Division Name	Faculty of Environment & Leisure School of Environment
Contact Name	Carolyn Roberts
Tel No	01242 543370
E-mail address	croberts@chelt.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	All Courses Major/Joint/Minor Geology Environmental Sciences Environmental Policy Environmental Management Physical Geography Natural Resource Management Water Resource Management	20 starting 2000 entry only 20 starting 2000 entry only 40 10 2-3
Masters honours degree courses		
Non-honours degree courses	HND Environmental Sciences (BTEC) HND Environmental Management (BTEC)	both starting 2000 entry
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	Environmental Policy & Management (MSc/MA/PGDip/PGCert)	7

Other courses (please specify)		
--------------------------------	--	--

NB Water Resource Management currently only available for advanced entry to water professionals. 2 year degree programme (or part-time equivalent) Single Honours. From 2000, open entry through UCAS, to Single Honours, Major/Joint/Minor routes.

Institutional details	
University Name	Derby
Department/School/Division Name	Earth Sciences
Contact Name	Prof P J Hill
Tel No	01332 591710
E-mail address	P.J.Hill@derby.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Hons Geology BSc Hons Earth Science BSc Hons Geology (with science/non- science subjects)]]] 35 in all
Masters honours degree courses	M Geol (Hons)	5
Non-honours degree courses		
Other courses (please specify)	HND Science (Geology pathway)	10

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Environmental Management (Surface Mineral Extraction pathway)	2/3
Other courses (please specify)		

Institutional details	
University Name	University of Durham
Department Name	Department of Geological Sciences

Contact Name	Mrs. J. Oakes
Tel No	0191 374 7410
E-mail address	Janice.Oakes@durham.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	F600 Geology F641 Earth Sciences F630 Environmental Geosciences F640 Geology and Geophysics F650 Geophysics	48 3* 4* 10 0*
Masters honours degree courses	F601 Geological Sciences F651 Geophysical Sciences	3* 0*
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Advanced Course in Geophysics MA/MSc Environmental Management	13 20
Other courses (please specify)	MSc by Research PhD	2 10

* Recently introduced course

Institutional details	
University Name	Edinburgh
Department/School/Division Name	Geology and Geophysics
Contact Name	Prof K A Whaler (Head of Department)
Tel No	0131-650-4904
E-mail address	kathy.whaler@ed.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology Geophysics Environmental Geosciences Geology and Physical Geography	35 16 16 14

Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	Master of Research in the Natural Environment	12
Other courses (please specify)		

Institutional details	
University Name	University of Hertfordshire
Department/School/Division Name	Environmental Sciences
Contact Name	Dr Richard Teeuw
Tel No	(1707) 284 598
E-mail address	r.m.teeuw@herts.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Joint Hons: Environmental Geology	20
	Also: Hons. Combined Studies, Geology	5
Masters honours degree courses	None	
Non-honours degree courses	None	
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	None	
Other courses (please specify)	None	

Institutional details	
University Name	Imperial College
Department/School/Division Name	TH Huxley School
Contact Name	Professor David J Sanderson
Tel No	0207 5947400
E-mail address	david.sanderson@ic.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Geology	50
Masters honours degree courses	MSci Earth Resources MSci Environmental Geology MSci Geological Sciences MSci Petroleum Geology	
Non-honours degree courses	None	
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc in Mineral Deposit Evaluation MSc in Petroleum Geoscience	10 35
Other courses (please specify)	Numerous short courses for industry	

Institutional details	
University Name	Keele University
Department/School/Division Name	School of Earth Sciences and Geography
Contact Name	Dr. G. Rowbotham
Tel No	01782 583181
E-mail address	g.rowbotham@keele.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Routeway: (x:x:y:z) specifies the number of principal subjects taken in each year of study in addition to a first year subsidiary course	
	BSc dual (joint) honours in Geology and numerous other subjects (2:2:2 routeway)	45
	BSc single honours in geology (2:2:1 routeway)	3
	BSc dual (joint) honours in physical geography and numerous other subjects (2:2:2 routeway) First graduates in 2002, currently such students receive a BA or BSc dual honours qualification in geography.	40
Masters honours degree courses	MGeoscience (first graduates in 2002; fully on-stream for larger graduate cohort in 2003) (2:2:1:1 routeway)	(to be 12)
	MSci in Geology and a second science (2:2:2:2 routeway)	1
Non-honours degree courses	-	
Other courses (please specify)	-	

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Computing in Earth Sciences	12
Other courses (please specify)	-	

Institutional details	
University Name	Kingston University
Department/School/Division Name	Geological Sciences
Contact Name	Dr A Swan
Tel No	020 8547 7527
E-mail address	a.swan@kingston.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Geology BSc Applied Geology BSc Environmental Geology BSc Earth Sciences BSc Earth & Planetary Sciences BSc Applied Geology with Business Management BSc Geology with Geography, Computing, or Economics	25 5 5 10 10 2 10
Masters honours degree courses	MGeol Geology	New
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Environment & Earth Resource Management MSc Environmental Geochemistry & Analysis MSc Environmental Mineralogy MSc Minerals Development & Sustainability	10 New New New
Other courses (please specify)		

Institutional details	
University Name	Lancaster University
Department/School/Division Name	Environmental Science
Contact Name	Prof. Harry Pinkerton
Tel No	01524 593912
E-mail address	h.pinkerton@lancaster.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Hons Env. Science BSc Hons Env. Chem BSc Hons Env. Management (joint)	55 13 26
Masters honours degree courses	M Chem Env. Chem.	None yet, but approx 6 envisaged
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc in Env. and Ecological Sciences	20
Other courses (please specify)	MRes in Science of the Environment	16

Institutional details	
University Name	Leicester
Department/School/Division Name	Geology
Contact Name	Prof R J Aldridge
Tel No	0116 252 3610
E-mail address	ra12@le.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses	BSc Geology	40

(single, joint, combined, etc)	BSc Applied & Environmental Geology BSc Geophysics BSc Geography & Geology	10 10 New
Masters honours degree courses	MGeol Geology MGeol Applied & Environmental Geology Mgeol Geophysics	10 2 3
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	MSc Mineral Exploration	12
Other courses (please specify)		

Institutional details	
University Name	University of Liverpool
Department/School/Division Name	Department of Earth Sciences
Contact Name	Mr Ian Bamber
Tel No	0151 794 5162
E-mail address	earthsci@liv.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc. Geology BSc Geology & Physical Geography BSc Geophysics BSc Oceanography BSc Environmental Science	35 30 12 12 5
Masters honours degree courses	MESci Geology & Geophysics MESci Geology	11 (first cohort in 2001) 20 (first cohort in 2002)
Non-honours degree courses		

Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)	PhD by research	8

Institutional details	
University Name	Liverpool John Moores
Department/School/Division Name	School of Biological & Earth Sciences
Contact Name	Joseph D Crossley
Tel No	0151 231 2120
E-mail address	J.D.Crossley@livjm.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology Earth Science (Physical Geography)	15 25 30
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)	PhD	1

--	--	--

Institutional details	
University Name	University of Luton
Department/School/Division Name	Dept of Environment, Geography & Geology
Contact Name	Dr Graham Weedon
Tel No	01582-734111
E-mail address	Graham.weedon@luton.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology (S/Ma/J/Mi) Environmental Geology (Single only) Earth Science (Single only)	
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)	HND Petroleum Geology HND Environmental Geology	

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)		

Institutional details	
University Name	Newcastle
Department/School/Division Name	Fossil Fuels and Environmental Geochemistry
Contact Name	Dr. Bryn Jones

Tel No	0191 222 8628
E-mail address	bryn.jones@ncl.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)		
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	Petroleum Geochemistry Environmental Biogeochemistry	10 10
Other courses (please specify)		

Institutional details	
University Name	The Open University
Department/School/Division Name	Department of Earth Sciences
Contact Name	Gill Foulkes (Liaison Officer)
Tel No	01908 652882
E-mail address	g.a.foulkes@open.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos Graduating
Bachelors honours degree courses (single, joint, combined, etc)	<u>Level 2:</u> S260 Geology (30 points) SXR260 Geology of the British Isles (10 points; available from 2001) S267 How the Earth Works (30 points)	880 - 690

PLEASE SEE NOTES BELOW ABOUT OU STUDY. THE NUMBERS OPPOSITE ARE PER MODULE. SEE NOTE 4.	S268 Physical Resources and Environment (30 points)	690
	S269 Earth and Life (30 points)	780
	<u>Level 3:</u> S338 Sedimentary Processes and Basin Analysis (final presentation 2000; 30 points)	490
	S369 The Geological Record of Environmental Change (replaces S338 in 2002; 30 points)	-
	S339 Understanding the Continents (30 points). Next available 2001 S330 Oceanography (30 points) S365 Evolution (30 points)	-
		570
		630
Masters honours degree courses	Not applicable	
Non-honours degree courses	S103 Discovering Science (60 points)	
Other courses (please specify):	S193 Fossils and the History of Life (10 points; from 2001)	

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	None offered in Earth Sciences, but a taught MSc in Science programme is available, designed for students who want to explore broad scientific topics at postgraduate level. This includes 60 point modules on Communicating Science (S804) and Science and the Public (S802).	
Other courses (please specify)		

PLEASE NOTE:

Requirements for an OU Degree:

1. From 2000, the OU is offering named honours degrees in specific subjects, but a BA or BSc that is not in a specific subject can still be awarded with or without honours. All degrees require at least 360 points. A maximum of 120 points can be counted at Level 1. At least 120 points at Level 3 is necessary for a degree with honours. The class of honours awarded depends on the grades obtained at Levels 2 and 3. Some degrees can be either a BA or BSc depending on the balance of courses studied.
2. OU students who choose to concentrate their studies in Earth Sciences can graduate with a BSc *Natural Sciences with Earth Sciences* if they wish. In order to achieve this they

need to have studied (within the general degree requirements outlined above) at least 120 points from an appropriate set of courses, of which at least 60 points must be at Level 3, and to have successfully completed at least three residential schools associated with S103 and other specified courses, one at level 2 and one at level 3.

3. An undergraduate Diploma in Earth Sciences is available from 2000. In order to qualify for this students will need to have completed 120 points' worth of courses: 60 points chosen from S260, S267, S268 or S269; 60 points from S338, S339, S369, S365 or S330; and to have successfully completed at least one residential school associated with these courses.
4. The OU's modular system means that students are free to study courses on a one-off basis or to construct an undergraduate diploma or a degree. They register for individual courses and not for a particular qualification, thus the numbers shown on the previous page are the number of students studying each module this year. There is no set order of study although students are strongly advised to start with a Level 1 course.
5. Further information is available from the OU's web site <http://www.open.ac.uk>

Institutional details	
University Name	Plymouth
Department/School/Division Name	Geological Sciences
Contact Name	Dr James S Griffiths
Tel No	01752 233100
E-mail address	j1griffiths@plymouth.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos Graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geological Sciences Applied Geology Environmental Geology Earth Sciences	15 10 10 30
Masters honours degree courses	M.Geol Geological Sciences	New
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos Graduating
Taught Masters courses	Global Change Applied Marine Science (through the Institute of Marine Sciences) Applied Environmental Science (through	New 30 New

	the Faculty Graduate School)	
Other courses (please specify)		

Institutional details	
University Name	Royal Holloway, University of London
Department/School/Division Name	Geology
Contact Name	Professor John Mather
Tel No	01784-443625
E-mail address	mather@gl.rhbnc.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology	16
	Environmental Geology	8
	Geography & Geology	4
	Geology & Biology	2
	Geology & Astrophysics	1
	Geology & Mathematics	1
	Geology & Computing	1
	Science & the Media (Geology)	1
Masters honours degree courses	Geoscience	18
	Environmental Geoscience	4
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses	Basin Evolution & Dynamics	26
	Tectonics	2
	Environmental Analysis & Assessment	12
Other courses (please specify)	Diploma MPhil/PhD	1 10

Institutional details	
University Name	Staffordshire
Department/School/Division Name	School of Sciences
Contact Name	Dr. D.E. Roberts

Tel No	01782294580
E-mail address	d.e.roberts@staff.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Applied Geology Geology Earth Science Geography and Geology Geology and Computing Geology with Mountain Leadership(New Award)	16 4 3 2 1
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)		

Institutional details	
University Name	Trinity College Dublin
Department/School/Division Name	Geology
Contact Name	Professor Philip A. Allen
Tel No	+353 1 608 1074
E-mail address	paallen@tcd.ie

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	Geology	10 - 14

Masters honours degree courses		
Non-honours degree courses	Geology	0
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)		

Institutional details	
University Name	National University of Ireland, Cork
Department/School/Division Name	Department of Geology
Contact Name	Professor P. M. Brück
Tel No	+ 353 21 4902657
E-mail address	Pbruck@ucc.ie

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Geology BSc Earth Science BSc Environmental Studies	15 15 10
Masters honours degree courses		
Non-honours degree courses	BSc Environmental Studies	30
Other courses (please specify)		

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)	MSc's and PhD's by research	5

Institutional details	
University Name	UNIVERSITY COLLEGE LONDON
Department/School/Division Name	GEOLOGICAL SCIENCES
Contact Name	Professor G. David Price
Tel No	020-7679 7083 or 2363
E-mail address	d.price@ucl.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos Graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Geology BSc Environmental Geoscience BSc Geophysics BSc Exploration Geophysics BSc Palaeobiology BSc Planetary Science BSc Earth and Space Science	16 10 2 4 N/A 6 N/A
Masters honours degree courses	MSci Geology MSci Environmental Geoscience MSci Geophysics MSci Exploration Geophysics MSci Palaeobiology MSci Planetary Science MSci Earth and Space Science	(11) (4) (1) (0) N/A (3) (1)
Non-honours degree courses	N/A	
Other courses (please specify)	N/A	

NOTES:-

- (1) The figures for the BSc courses are based on averages up to the year 1998. 1999 was an atypical year and has been excluded from the statistics as with the introduction of the MSci Degree, for which the first students are due to graduate in 2000, the number of graduates was abnormally small. The figures listed for MSci are the numbers expected to graduate in June 2000.

- (2) The Earth and Space Science Degree was introduced too recently for meaningful average numbers to be listed.
- (3) The Palaeobiology Degree was introduced in 1997, and all seven of this initial class have opted for MSci and are due to graduate in 2001.

Higher degree courses offered		
	Course titles	Av Nos Graduating
Taught Masters courses	MSc Hydrogeology MSc Micropalaeontology	14-15 7-8
Other courses (please specify)	MPhil/PhD research	8

Figures for the MSc courses have been averaged over a ten year period 1990-1999

Institutional details	
University Name	University of East Anglia
Department/School/Division Name	School of Environmental Sciences
Contact Name	Professor Mike Leeder
Tel No	O1603 592566
E-mail address	M.Leeder@uea.ac.uk

Undergraduate degree courses offered		
	Course titles	Av Nos graduating
Bachelors honours degree courses (single, joint, combined, etc)	BSc Environmental Sciences (F900, F901, F902)	80
	Environmental Earth Sciences (F630)	10
	Geophysical Sciences (F640, F641, F642)	15
Masters honours degree courses		
Non-honours degree courses		
Other courses (please specify)		

--	--	--

Higher degree courses offered		
	Course titles	Av Nos graduating
Taught Masters courses		
Other courses (please specify)		