

Honour School of Human Sciences

Course handbook published in 2016

For students due to graduate in 2018

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Format of the Handbook

Anything printed in bold in this handbook (other than headings) is or has the status of a formal regulation.

Ordinary print is used for descriptive and explanatory matter.

Italics are used to give warning of particular points of which you should be aware.

This handbook is for students starting the Final Honour School of Human Sciences in Michaelmas Term 2016. The information in this handbook may be different for students starting in other years.

The Examinations relating to this course are available at

<http://www.admin.ox.ac.uk/examreqs/2015-16/hsofhumascie/studentview/>

If there is a conflict between information in this handbook and the Examination Regulations then you should follow the Examination Regulations. If you have any concerns contact Sarah-Jane White (contact details below).

The information in this handbook is accurate as at October 2016; however it may be necessary for changes to be made in certain circumstances, as explained at www.ox.ac.uk/coursechanges. If such changes are made the department will publish a new version of this handbook together with a list of changes and students will be informed.

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1. Introduction

Welcome to the Human Sciences Final Honour School! You will find the next two years both stimulating and fulfilling as you explore the diversity of ideas and issues contained within the Human Sciences degree. Building on the foundation that you gained during your first year, you now have the opportunity to develop a deeper understanding of a number of significant intellectual concepts in the social and the biological sciences, as they relate to the human condition. This booklet is intended to be a helpful guide for your studies during the next two years, and you will have occasion to refer to it frequently. It should be read in conjunction with the Undergraduate Handbook for Human Sciences which you received at the start of the course. We hope you will find this booklet useful.

It is important to realise that because Human Sciences is an extremely wide ranging degree, many of the lecture modules will only make sense if you consider them within the broader perspective of the entire course. While each module is designed to be essentially self-contained, they also interconnect with other modules within the same paper and even across papers. In order to make these connections, you must attend lectures as this is the only way to gain exposure to the full range of ideas presented in each paper. However, your success in integrating concepts across a wide variety of disciplines will be amply rewarded when you come to sit your final public examinations.

About the lectures

In the following pages you will find most of the details of the lectures for the compulsory courses. Details of lectures not included in the booklet will either be handed out at the first lecture of the series OR circulated ahead of time. Please note that some lecture courses listed in the handbook are provisional and that lecturers may slightly change the content of their lectures when the time comes. For details of Third Year Options, please refer to page 26 of this handbook.

Finally, please see termly lecture list and timetables for the time and place of each lecture and check the Academic Administrator's weekly e-mails for changes to the lecture schedule.

About Tutorials

You should normally have eight tutorials for each core paper (please see the individual paper entries for any details on how these might be divided between different subject areas within a paper). It is recommended that two of the eight tutorials take a non-essay format but this will need to be agreed with your Director of Studies and other tutors.

2. Course Aims and Intended Learning Outcomes

Educational Aims of the Programme

The programme aims to:

- continue to attract outstanding students from all backgrounds both from within the UK and overseas;
- produce graduates competent to analyse the problems facing humankind as biological and social animals and to take this expertise into the professions and public life;
- teach all aspects of the course taking into account the recent significant advances in techniques, information and ideas in its component parts and to integrate these to form a holistic view of Human Sciences;
- enable students to draw upon key aspects of a number of disciplines to develop a multi-disciplinary understanding of problems within the Human Sciences and their application to issues of wider concern;
- provide opportunities for students to develop a wide range of intellectual and other skills transferable to many jobs and professions.

Programme Outcomes

Students will develop a knowledge and understanding of:

- the fundamental concepts, techniques, principles and theories of Animal Behaviour and Evolution, Human Genetics, Human Ecology, Demography and Anthropological Analysis or Sociological Theory;
- the fundamental concepts, techniques, principles and theories relevant to the student's chosen area of specialisation;
- the integration of biological and sociological/anthropological principles to analyse a topic of their own choice within the dissertation;
- the ethical, political and cultural problems associated with humans as biological and social animals;
- the role of Human Scientists

Skills and other attributes

- to read and evaluate original research articles;
- to approach all topics with an understanding of statistics and probability;
- to consider Human Sciences from an interdisciplinary point of view;
- to be able to carry out a quantitative analysis of demographic data;
- to present a written argument based on reading from a variety of sources;

- to plan and conduct a programme of original literature research from several disciplines.

Paper 1 Behaviour and its Evolution

Course coordinator: Dr Dora Biro, Department of Zoology

Please note that Dr Biro coordinates the four lecture courses that contribute to Paper 1 in an administrative capacity. Please contact the individual Course Organisers listed below with any teaching-related queries.

Aims and scope:

“Nothing in biology makes sense except in the light of evolution” – Theodosius Dobzhansky

Substituting the words “human sciences” for “biology” in Dobzhansky’s sentence provides the fundamental rationale for Paper 1. The theory of evolution is an astonishingly powerful unifying theory – probably the only one that can unite the separate strands of the Human Sciences degree. This paper will demonstrate how evolution works out in practice, focussing upon animal behaviour as both a product of the evolutionary process, and a contributor to it. It will also consider the origins of human behaviour, what it has in common with the behaviours of many other species including birds and primates and what is uniquely human. The latter introduces the exceptionally potent human cultural processes, based on social learning practices that are not uniquely human and human language that is.

Organization:

The lectures contributing to Paper 1 are drawn from four courses offered under the Final Honour School in Biological Sciences. These are: I. Animal Behaviour; II. Animal Cognition; III. Behavioural Ecology; IV. Communication, Culture, and Collective Behaviour. *Human Sciences students are welcome to attend any of the lectures offered on these courses but attendance at the starred lectures is considered essential. Questions on the exam paper may cover topics from both the starred and unstarred lectures, but there will be a wide range of choice in the questions set.* Biological Sciences students taking Lecture Courses II-IV would do so in their 3rd year, and would typically have taken Lecture Course I in their 2nd year. This is not a necessity, however, and since Lecture Courses II-IV are designed as standalone courses, Human Sciences students should have no problem in attending all of these courses in their 2nd year.

WebLearn:

https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/fhs_paper_1

General Reading list:

Course Texts:

Alcock, J. 2009. *Animal Behaviour. An Evolutionary Approach*

Davies, N.B., Krebs, J.R. and West, S.A. 2012. *An Introduction to Behavioural Ecology*. Wiley-Blackwell.

Laland, K.N. and Brown, G. R. 2002 *Sense and Nonsense: Evolutionary Perspectives on Human Behaviour*. Oxford University Press, 2nd ed. 2011

Manning, A. and Dawkins, M.S. 2012. *An Introduction to Animal Behaviour*. 6th edition. CUP.

Pearce, J. 2008. *An Introduction to Animal Cognition*. 3rd edition. Psychology Press.

Sumpter, D.J.T.S. 2010. *Collective Animal Behaviour*. Princeton University Press.

Additional sources:

Dawkins, M.S. 1995. *Unravelling Animal Behaviour*. 2nd edition, Longmans

Dawkins, R. 1989. *The Selfish Gene* (2nd edn.). Esp. Chap. 3.

Dawkins, R. 1992. *The Extended Phenotype*.

Krebs, J.R. and Davies, N.B. (eds). *Behavioural Ecology*. Blackwell Scientific.

McGrew, W. C. 2004. *The Cultured Chimpanzee: Reflections on Cultural Primatology*. Cambridge University Press.

Ridley, M. 2003. *Nature via Nurture*. Fourth Estate. London.

Shettleworth, S. J. 2010. *Cognition, Evolution, and Behaviour*: 2nd Edition. OUP

Lecture Courses

I. Animal Behaviour

Course Organiser: Professor Marian Dawkins, Department of Zoology

Timetable: MT and HT

Lecturers: Professor Marian Dawkins (MD), Professor Alex Kacelnik (AK), Professor Tim Guilford (TG), Professor David Macdonald (DM), Dr Dora Biro (DB), Professor Tommaso Pizzari (TP), Professor Ben Sheldon (BS), and Dr Theresa Burt de Perera (TB) (all Department of Zoology)

- | | | |
|-----|---|----|
| *1. | Introduction. The 4 questions. Part 1 | MD |
| *2. | Introduction. The 4 questions. Part 2 | MD |
| *3. | Optimality and Evolutionarily Stable Strategies | AK |
| *4. | Kin selection | TG |
| *5. | Conflict, cooperation and aggression | MD |
| *6. | Group living | DM |

*7.	Tool use and culture	DB
*8.	Collective behaviour	DB
*9.	Sexual selection	TP
*10.	Genes & innate behaviour	MD
*11.	Basic principles of learning	AK
*12.	Parental care	BS
*13.	Signals	TG
*14.	Animal welfare	MD
*15.	Neuronal control of behaviour 1	TB
*16.	Neuronal control of behaviour 2	TB

Please check the Biological Sciences WebLearn for updates to lecture details and reading lists.

II. Animal Cognition

Course Organiser: Professor Tim Guilford, Department of Zoology

Timetable: MT

Lecturers: Professor Alex Kacelnik (AK), Dr Lucy Aplin (LA), Dr Nathalie Seddon (NS), Dr Dora Biro (DB), Professor Tim Guilford (TG), Professor Marian Dawkins (MD) and Professor B. Sheldon (BS) (all Department of Zoology)

*1.	Learning I	AK
*2.	Learning 2	AK
*3.	Physical cognition and tool use I	LA
*4.	Physical cognition and tool use 2	LA
*5.	Cognition and decision-making 1	LA
*6.	Cognition and decision-making 2	AK
7.	Mechanisms and evolution of song learning in birds	NS
*8.	Social learning	DB
*9.	Social cognition	TG
*10.	Consciousness	MD
*11.	Individual differences in behaviour	BS
12.	Receiver psychology 1: evolution of camouflage	TG
13.	Receiver psychology 2: evolution of defensive advertisement	TG
14.	Animal navigation 1: Finding direction	TG
15.	Animal navigation 2: True navigation	TG
16.	Animal navigation 3: familiar area mapping	TG

Please check the Biological Sciences WebLearn for updates to lecture details and reading lists.

III. Behavioural Ecology

Course Organiser: Professor Alex Kacelnik, Department of Zoology

Timetable: HT

Lecturers: Professor Alex Kacelnik (AK), Professor Tommaso Pizzari (TP) and Professor Ben Sheldon (BS),

1.	Optimal foraging: Classical models	AK
2.	Risk sensitivity	AK
3.	Optimality and frequency dependence	AK
4.	Brood parasitism	AK
*5.	Human behavioural ecology and behavioural economics	AK
*6.	Human ethology and evolutionary psychology	AK
*7.	Sexual selection 1	TP
*8.	Sexual selection 2	TP
*9.	Sexual selection 3	TP
*10.	Sexual selection 4	TP
*11.	Sexual selection 5	TP
*12.	Sexual selection 6	TP
13.	Sex allocation 1	BS
14.	Sex allocation 2	BS
*15.	Conflicts within families 1	BS
*16.	Conflicts within families 2	BS

Please check the Biological Sciences WebLearn for updates to lecture details and reading lists.

IV. Communication, Culture, and Collective Behaviour

Course Organiser: Dr Dora Biro, Department of Zoology

Timetable: MT

Lecturers: Professor Tim Guilford (TG), Dr Lucy Aplin (LA), Dr Dora Biro (DB) and Dr Takao Sasaki (TS)

1.	Signals 1: Signal diversity	TG
2.	Signals 2: Conventions & Cheats	TG

3.	Signals 3: Honesty – Interests and indices	TG
4.	Signals 4: Honest: Handicaps and reputations	TG
5.	Signals 5: Signal design	TG
*6.	From social learning to culture	LA
*7.	Animal social networks	LA
*8.	Cumulative culture	DB
*9.	Language	DB
*10.	Self-organisation	DB
*11.	Collective motion	DB
*12.	Leadership	DB
*13.	Swarm intelligence	TS
*14.	Collective construction	DB
*15.	Human collective behaviour	DB
*16.	Swarm robotics	DB

Please check the Biological Sciences WebLearn for updates to lecture details and reading lists.

Tutorial arrangements

Students should have EIGHT tutorials for Paper 1. It is recommended that students have a set of 4 tutorials based on topics introduced in Lecture Course *I. Animal Behaviour*. The other 4 tutorials should consider more advanced material introduced in Lecture Courses *II. Animal Cognition*, *III. Behavioural Ecology*, and *IV. Communication, Culture, and Collective Behaviour*.

Paper 2 Human Genetics and Evolution

Course coordinator: Dr Susana Carvalho, Institute of Human Sciences

This course builds directly upon material covered in Prelims Paper 2, and is concerned with the study of human evolution from the different perspectives of population genetics, palaeoanthropology, and molecular medicine. These lectures will also help you understand the scientific and societal implications of these rapidly advancing disciplines. The first two modules of the course examine human evolution, including aspects of behaviour and culture in human ancestors, based on inferences from fossils, archaeology and genetic diversity. The lectures in the subsequent modules combine basic concepts and principles of human genetics and an introduction to the new technologies used in analysis, to provide a foundation for understanding the genetic basis of health and disease.

Website: https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/genetics_and

Michaelmas Term

I. Human Evolutionary Genetics (16 lectures)

Hilary Term

II. Human Evolution: Behaviour, Genes and Cultural Processes (8 lectures, 1 practical class – the practical is in Trinity Term, see below)

Trinity Term

III Genomics (4 lectures, 1 Discussion Class)

IV. Cells, Genes and Genetic Testing: Topics in Molecular Genetics (6 lectures)

V. Genes and Phenotypes: Topics in Medical Genetics (6 lectures)

VI: Practical Class

Reading

A recommended book for this paper is

Richards JE & Hawley RS. 2011. *The Human Genome, A User's Guide*. Elsevier, Academic Press, 3rd edition.

Other material relating to these lectures can be found on WebLearn.

https://weblearn.ox.ac.uk/portal/site/:socsci:socanth:humsci:fhs:genetics_and/tool/resources

Tutorial arrangements:

Students should plan to have eight tutorials in paper two, ideally all being taken in the second year. These tutorials should aim to cover the different aspects of the

lecture course, i.e.: three for population genetics, two for human evolution and three for molecular and medical genetics.

I. Human Evolutionary Genetics

Timetable: 2nd year MT (16 lectures)

Lecturers: Dr Cristian Capelli (CC) (Dept of Zoology), Dr Rosalind Harding (RH) (Dept of Zoology)

Michaelmas Term

Lecture 1 Primate phylogeny: a focus on chimps CC
How did past and present ape diversity evolve?

Lecture 2 Phylogeny and genomics: the case for and against the third chimpanzee CC
What does the genetic difference between us and chimps imply?

Lecture 3 Hominin evolution: the success of a bipedal ape RH
Why, when and how did hominins evolve?

Lecture 4 Hominin evolution in the Pleistocene RH
Why, when and how did *Homo* sp. evolve?

Lecture 5 Peopling of the World: divergence, dispersal and genetic drift CC
How are the processes of gene flow and genetic drift inferred from genetic data?

Lecture 6 Out of Africa: an overview of our migration history CC
What were the big events in this story?

Lecture 7 Genetic demography RH
Did *Homo sapiens* evolve out of a speciation bottleneck?

Lecture 8 Looking backwards from the present RH
Who were our genealogical ancestors?

Lecture 9 Meeting the relatives CC
What did happen when anatomically modern humans met other members of the genus *Homo*?

Lecture 10 Modern humans settling down CC

As cultural norms affect mate choice, what is their impact on the distributions of genetic diversity?

Lecture 11 Understanding human phenotype diversity RH

What is the genetic basis of complex and quantitative traits?

Lecture 12 Adaptation to diverse environments RH

What is the genomic evidence for selective pressures?

Lecture 13 Modern humans in communities CC

What is the relationship between culture and selection?

Lecture 14 Identity and identification CC

What can DNA tell us about an individual?

Lecture 15 Co-evolution and compromise RH

What have been the evolutionary challenges of the Holocene?

Lecture 16 Evolutionary demography RH

Are humans still evolving?

II. Human Evolution: Behaviour, Genes and Cultural Processes

Timetable: 2nd Year HT (8 lectures)

Lecturer: Dr Susana Carvalho (Institute of Human Sciences)

1. Adaptations and Behavioural Ecology of Early Hominins SC
2. Standing Up for Your Life: Evolution of Bipedalism SC
3. Evolutionary Origins of Technology SC
4. Primate Archaeology: Breakthrough or Nonsense? SC
5. How Did Our Ancestors Think? Evolutionary Origins of Intelligence SC
6. How Did Our Ancestors Talk? Evolutionary Origins of Language SC
7. Evolutionary Origins of Hunting and Aggression SC
8. From hominin to *Homo*, and the evolution of modern human behaviour SC

Practical Class: Hominin Evolution SC

[See VII, below; this occurs in Trinity Term]

Lecture 1 examines the morphological and behavioural adaptations of the earliest hominins, the predecessors of our own genus, *Homo*, relative to our last common ancestor with chimpanzees.

Lecture 2 looks at the emergence of bipedalism in the human lineage. What selection pressures shaped bipedalism? Are humans really the only bipedal primates?

Lecture 3 examines the significance of the earliest archaeological evidence, and of the modern behaviour of non-human primates for our understanding of cognition and culture. Is human culture unique? If so, how?

Lecture 4 introduces Primate Archaeology and what it tells us about the evolutionary origins of technology. What is a tool, and should we distinguish between using and making? What are the limits of technology in extant apes and extinct hominins? What can we infer about behaviour and mentality from artefacts? How do raw materials constrain technology?

Lecture 5 reviews major theories of origins of human intelligence and behavioural evolution. How to define intelligence? How to detect it in prehistory? What are the key selection pressures for intelligence?

Lecture 6 examines the features that are unique to human language and the limits of non-human language/communication. How to know when language appeared in human evolution? If apes are so bright, then why don't they speak up?

Lecture 7 looks at the emergence of hunting and aggression in the human lineage. What do we know from the fossil and archaeological records? What are the most relevant contributions from modern primatology to understand the evolution of these behaviours?

Lectures 8 describes how several species of hominins evolved during the mid-late Pleistocene. Key elements of modern human behaviour evolved during that time, e.g., ritual burials, art, composite tools, etc.

Reading List (key texts):

Boyd, R. & Silk J.B. 2014. *How Humans Evolved*. London. W.W. Norton. (Selected chapters)

Conroy, G. & Pontzer H. 2012. *Reconstructing Human Origins*. New York. W.W. Norton

Harris, E. E. 2015. *Ancestors in Our Genome: The New Science of Human Evolution*. Oxford University Press.

Richerson, P.J. and Boyd, R. 2005. *Not By Genes Alone: How Culture Transformed Human Evolution*. University of Chicago Press.

Toth, N. & Schick, K. 2009. The Oldowan: The tool making of early hominins and chimpanzees compared. *Annual Review of Anthropology*, 38: 289-305.

Whiten, A. & Byrne, R.W. (eds.).1997. *Machiavellian Intelligence II: Extensions and Evaluations*. Cambridge Univ. Press.

III. Genomics

Timetable: 2nd year MT (4 lectures, 1 discussion class)

Lecturers: Dr Tamara Sirey (TS) (Institute of Human Sciences).

The aim of this module is to provide a big picture overview of contemporary human molecular genetics, as background to further HT and TT lectures. In addition to lectures there is an additional discussion class.

1. Lecture 1: Overview of the human genome
2. Lecture 2: Technologies for studying genome diversity
3. Lecture 3: We have the human genome: what don't we know?
4. Lecture 4: Comparative genomics
5. Discussion class: What are the issues surrounding the patenting of human genes?

Lecture 1 describes changing views of the human genome in different eras: pre-DNA, DNA before the genome, and genomics/post-genomics. How 'old' technologies inform those at the cutting-edge; why getting the whole sequence seemed like a good idea, and why they still want to get more. Preview of HT Medical Genetics lecture series: moving from simple to complex. (Lectures: Cancer, Immunology, Reproduction, Medical Genetics; Discussion sessions: Population Genetics, Mendelian diseases, Linkage mapping & positional cloning.)

Lecture 2 describes how 'the' human genome was sequenced, and what 'resequencing' is all about. Also, genome-wide genotyping and gene expression profiling. (Lectures: Cancer, Medical Genetics; Discussion session on technologies, such as sequencing basic bioinformatics.)

Lecture 3 describes, in general terms, the International HapMap project, genome-wide association studies, transcriptomes, proteomes, epigenomics, functional genomics (Cancer, Medical Genetics). Technical glitches with the genome, from the obvious (holes in the sequence; annotation problems) to the insidious (copy number variation; epigenetic modification).

Lecture 4 discusses the application of comparative genomics to the question "what makes us human?" The role of coding vs non-coding DNA. Clues from evolutionary developmental biology, and more clues from infectious diseases. (Immunology, Medical Genetics).

IV. Cells, Genes and Genetic Testing: Topics in Molecular Genetics

Timetable: 2nd year TT (6 Lectures)

Lecturers: Dr Susan Kyes (SK) (Nuffield Dept. of Clinical Medicine), Sir Richard Gardner (RG), Dr Elaine Johnstone (EJ) (Dept. of Oncology),

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|---|----|
| 1. Immunology I: the basics of innate and adaptive immune responses | SK |
| 2. Immunology II: exploring the 'arms race' between pathogens and their hosts | SK |
| 3. Assisted human reproduction | RG |
| 4. Harnessing stem cells for regenerative medicine | RG |
| 5. Molecular genetics of cancer | EJ |
| 6. Aetiology of cancer | EJ |

Lecture 1 How does the immune system know what is foreign and what is self? This lecture gives a very brief overview of the basic nuts and bolts of the mammalian immune system. The progression of immune responses to various pathogens will be compared, illustrating the relative roles of different immune cell types.

Lecture 2 Many pathogens can change their 'immunological' appearance rapidly, in order to avoid a host immune response. This lecture will briefly cover what is known about such appearance-changes in several pathogens of global health concern, and then describe the mechanisms behind adaptation of the host immune response to such change.

Lecture 3 reviews the history and recent progress in assisted human reproduction, and discusses the resulting possibilities (and problems) associated with the application of stem cells to therapeutic use. Early mammalian development is reviewed, describing the developmental potential of various cell types in the embryo and the case for allowing research on early human embryos discussed.

Lecture 4 provides a guide to the developmental potential of embryonic versus adult stem cells, and gives examples of their vast therapeutic potential for addressing injury and disease.

Lecture 5 gives an introduction to genetic principles needed to understand how cancers arise, and several well-known molecular pathways will be described. The utility of genetics for investigating cancer susceptibility, screening patients and development of treatments will be discussed, with examples from three common cancers – colorectal, breast and lung cancer.

Lecture 6 will compare the incidence, mortality, progression and treatment of the three common cancers, introduced in the previous lecture. Genetic and environmental risk factors will be considered, whilst the multi-stage pathway of progression and some of the genes involved will be discussed.

V. Genes and Phenotypes: Topics in Medical Genetics

Timetable: 2nd year TT (6 Lectures,)

Lecturers: Dr Gavin Band (GB), Dr Julian Knight (JK), Dr Kirk Rockett (KR), Professor Martin Farrall (MF), Dr Alex Woods (AW)

1.	Multifactorial traits and complex genetics I	GB
2.	Multifactorial traits and complex genetics II	GB
3.	Immune response and MHC variation	JK
4.	Genetic susceptibility to infection	KR
5.	Genetic mapping of complex disease: coronary artery disease	MF
6.	Human behavioural traits: mouse models	AW

Lectures 1 & 2 describe the stages of complex disease gene mapping, comparing the fundamental concepts involved in linkage analysis and disease-marker association studies.

Lecture 3 describes the major histocompatibility complex genes, their involvement in the immune system and adaptive immune response, and investigation of their roles in disease susceptibility.

Lecture 4 describes investigations for human genes affecting susceptibility to infectious disease.

Lecture 5 traces the identification of novel susceptibility genes for Coronary Artery Disease (CAD), up to the most recent information gained from genome-wide association studies.

Lecture 6 describes how rodent models and quantitative trait loci (QTL) fine-mapping are applied to investigations of the genetic basis of behaviour.

VI. Practical Class

Students also attend a Practical Class on Hominin Evolution and Modern Human Variation in Trinity Term, in the University Museum of Natural History, given by Susana Carvalho.

Paper 3 Human Ecology

Course coordinator: Professor Stanley Ulijaszek, Institute of Social and Cultural Anthropology (ISCA)

Ethnobiology Section Co-ordinator: Dr Andrew Gosler, Institute of Human Sciences and Department of Zoology

This paper explores the ways in which humans are both shaped by their environments and also shape them, from both evolutionary and comparative perspectives. Changing patterns of human subsistence and reproduction across prehistory and to the present day influence human population size and distribution and the biological stresses they face. Most notable among these stresses are nutrition, infectious disease and, more significant in recent history, non-infectious disease. The understanding of the interactive ways in which culture and behaviour can influence human biology is central to this paper. They are also central to an understanding of the effects humans have on the biosphere, and of the causes and consequences of recent anthropogenic climate change and biodiversity loss, and are therefore relevant to the question of future human sustainability.

WebLearn:

https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/human_ecolog

I. Introductory Lecture

Timetable: 2nd Year MT (1 lecture)

Lecturer Professor Stanley Ulijaszek (ISCA) and Dr Andrew Gosler (IHS)

I. Ecology of Disease

Timetable: 2nd Year MT (8 lectures)

Lecturer: Professor Stanley Ulijaszek(SU)(ISCA), Dr Caroline Potter (CP)(Nuffield Department of Population Health) Dr Juliet Bedford (JB)(Anthropology, Dr Karin Eli (KE)(ISCA), and Dr Miranda Armstrong (MA) (Cancer Epidemiology Unit)

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|----|--|----|
| 1. | Theories and models in disease ecology | SU |
| 2. | TB | SU |
| 3. | Malaria | CP |
| 4. | Zika | JB |
| 5. | Undernutrition and infection | SU |

6.	Obesity	KE
7.	Cancer	MA
8.	Diabetes	KE

Reading list:

Banwell, C., Ulijaszek, S. and Dixon, J. 2013. *When Culture Impacts Health*. London: Academic Press.

McMichael, T. 2001. *Human Frontiers, Environments and Disease*, Cambridge: CUP.

Wiley, A.S. and Allen, J.S. 2009. *Medical Anthropology. A biocultural Approach*. OUP.

II. Nutritional Anthropology

Timetable: 2nd year MT (4 lectures) and HT (4 lectures)

Lecturers: Professor Stanley Ulijaszek (SU) (ISCA), Dr Alexandra Alvergne (AA), Dr Kesson Magid (KM), Dr Rebecca White (RW) and Professor Stephen Oppenheimer (SO).

1.	Evolutionary perspectives on human diet	SU
2.	Biological plasticity and human growth development	SU
3.	Food security and undernutrition	SU
4.	Food, eating and obesity	SU
5.	Nutrition across the life course	AA
6.	Paleodiet	KM
7.	Food sustainability	RW
8.	Iron deficiency and malaria	SO

Reading list:

Ulijaszek, S.J., Mann, N. and Elton, S. 2012. *Evolving Human Nutrition: Implications for Public Health*. Cambridge University Press.

Moffat, T and Prowse, T. 2010. *Human Diet and Nutrition in Biocultural Perspective: Past Meets Present*. Oxford: Berghahn.

III. The Ecology of Human Reproduction

Timetable: 2nd year HT (4 lectures)

Lecturer: Professor Stanley Ulijaszek (SU) (ISCA)

1. Human life history
2. Sexual maturation

3. Pregnancy
4. Lactation

Reading List:

Ellison, P.T. 2001 *On Fertile Ground*. Cambridge, MA: Harvard University Press.
 Hawkes, K., Paine, R.R. & Brooks, J.L. 2006. *Evolution of Human Life History*.
 Oxford: James Currey.
 Ulijaszek, S.J., Johnston, F.E., Preece, M.A. (eds) 1998. *Cambridge Encyclopedia of Human Growth and Development*. Cambridge University Press.

V. Introduction to Ethnobiology

Timetable: 2nd year HT (8 lectures)

Lecturers: Dr Andrew Gosler (AG) (Human Sciences), Dr Laura Rival (LR) (ISCA), Dr Thomas Thornton (TT) (ECI/OUCE), Prof. Elisabeth Hsu (EH) (ISCA) and Dr Sarah Edwards (SE) (RBG Kew).

1.	Introduction to ethnobiology	AG&LR
2.	Ethnoscience: Folk taxonomy and naming	AG
3.	Ethnolinguistics; words and worlds	to be arranged
4.	Ethics and Politics of Ethnobiology	SE
5.	Landscape and historical ecology	TT
6.	Materialities and colour	EH
7.	Epistemologies of healing	EH
8.	Ontological cosmologies	LR

Reading list:

Anderson, E. et al. 2011. *Ethnobiology*. Wiley-Blackwell.
 Balick MJ & Cox PA. 1996. *Plants, People, and Culture: The Science of Ethnobotany*. Scientific American Library.
 Berlin, B. 1992. *Ethnobiological Classification: Principles of Categorization of Plants and Animals in Traditional Societies*. Princeton.
 Crumley, CL. 2001. *New Directions in Anthropology and Environment: Intersections*. Alta Mira Press.
 Ellen, R. 2006. *Ethnobiology and the Science of Humankind*. Wiley.
 Hsu, E. & Harris, S. 2010. *Plants, Health and Healing: On the Interface of Ethnobotany and Medical Anthropology*. Berghahn Books.
 Pilgrim, S. & Pretty, J. 2013. *Nature and Culture: Rebuilding Lost Connections*. Routledge (Earthscan).

Rival, L. 1998. *The Social Life of Trees: Anthropological Perspectives on Tree Symbolism*. Berg.

Tidemann, S. & Gosler, A. 2011. *Ethno-ornithology: Birds, Indigenous Peoples, Culture and Society*. Earthscan.

Tutorial arrangements:

Students should have EIGHT tutorials for paper 3.

It is recommended that students have at least 1 tutorial in each of the following: developmental plasticity, nutrition and disease, life history including reproduction and obesity and 2 tutorials in ethnobiology (e.g. on in economic ethnobiology: *how humans use nature*, and one in cognitive ethnobiology: *how humans perceive nature*). One tutorial should be used for advice on the extended essay in Trinity Term.

Presentation Skills

There will be lecture on presentation skills by Dr Amanda Palmer in the second year.

Examination

This paper will be examined by an extended essay not exceeding 5,000 words (including references and footnotes but excluding bibliography) and a presentation. The essay will be chosen from a list of titles published by the Examiners on Monday of Week 1 of Trinity Term of their second year.

Candidates will be required to give a short presentation on the topic of the extended essay in Michaelmas Term of their Final year. The exact date of the presentation will be notified to students by Week 1 of Michaelmas Term.

Paper 4 Demography and Population

Course coordinator and Lecturer: Dr Philip Kreager, Institute of Human Sciences

WebLearn:

https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/fhs_paper4

I. Demography and Population I

Timetable: 2nd year MT (8 lectures and 8 classes)

Lecturers Dr Romola Davenport (University of Cambridge) (RD) and Dr Nicola Barban (Sociology, Oxford) (NB)

1.	The Biodemography of Human Mortality Class: Introduction to Mortality Analysis	RD RD
2.	Population Growth and Mortality in the History of now Developed Countries Class: Cohort and Period Approaches to Mortality and Issues of Heterogeneity	RD RD
3.	Mortality Transitions in the Developing World Class: Standardisation and Life Tables	RD RD
4.	Population Growth over the Long Term Class: TBA	NB NB
5.	Population Measurement and Data Class: TBA	NB NB
6.	Period and Cohort Class: TBA	NB NB
7.	Age Structures and Fertility Analysis Class: TBA	NB NB
8.	Population Projection Class: TBA	NB NB

For lectures and classes in weeks 4-8, students will find the following text helpful:

K. W. Wachter. 2014. *Essential Demographic Methods*, Harvard University Press

II. Demography and Population II

Timetable: 2nd year, HT (14 lectures)

Lecturers: Professor David Coleman (Emeritus Professor of Demography, University of Oxford)(DC), Dr Nicola Barban (Department of Sociology) (NB), Dr Felix Tropf (Department of Sociology) (FT), Dr Ridhi Kashyap (Department of Sociology) (RK), Dr Philip Kreager (Institute of Human Sciences) (PK), Professor Simon Gregson (Imperial College, London) (SG).

(Please note the order of lectures is provisional; in some weeks there will be two lectures.)

- | | | |
|-----|--|----|
| 1. | The Trend and Pattern of Fertility in the 21 st Century | DC |
| 2. | The 'Second Demographic Transition': New Forms of Family and Household | DC |
| 3. | Pensions, Taxes and Ageing | DC |
| 4. | Immigration and Integration | NB |
| 5. | Biodemography | NB |
| 6. | New Challenges in Population Research: Multi-generational persistence of demographic behaviour | NB |
| 7. | New Challenges in Population Research: Heterogeneity and Inequality | NB |
| 8. | Demography, Education and Human Capital | FT |
| 9. | Gender | RK |
| 10. | Is Rapid Population Growth Really Fatal to Economic Development? The Background to LEDC Family Planning Programmes 1950-2000 | PK |
| 11. | Infertility: A Critical Neglected Dimension in Population History | PK |
| 12. | Demography and Causality: Converging Discussion in the Social Sciences | FT |
| 13. | The Demography of AIDS, with particular reference to Africa | SG |
| 14. | Demography and Epidemiology | SG |

Tutorials

Students should have 8 tutorials for this paper.

EITHER:

Paper 5(a) Anthropological Analysis and Interpretation

Course coordinator: Dr Morgan Clarke, Institute of Social and Cultural Anthropology (ISCA)

This paper builds on the basic understanding of fundamental ideas and methods in social and cultural anthropology which students acquired during the Prelim year, as illustrated by the work of classic authors and ethnographic studies from around the world. In the second and third years, lectures are offered in the fields of both social/cultural anthropology and sociology which are relevant to all students in the Human Sciences. Since students have only eight tutorials in which to cover the whole paper, they must choose either social anthropology (Va) or sociology (Vb) as their core paper. However, should they wish to do so, they may take the other paper as one of their options.

The purpose of Paper 5 (a) is to demonstrate the continuing relevance of the principles and approaches of social/cultural anthropology to the modern, post-colonial world and indeed to ‘ourselves’ as well as ‘others’. Standard ‘kinship anthropology’ is developed in the comparative study of the material and spatial forms of domestic life, gender relations, and today’s social patterns of human reproduction (including the possibilities of the new reproductive technologies). The social and cultural aspects of economic production, exchange, and consumption in the global context are considered along with questions of the nature of the ‘modern person’, language, religion, symbolism, ideology, education/literacy, ethnicity, nationalism, and conflict. History, both of the people studied and of the anthropologist’s own world, is presented as integral to an understanding of social relations and cultural traditions and the ways in which they may change.

<https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/anthropologi>

I. Key Themes in Social Anthropology

Timetable: 2nd year MT (8 lectures)

Lecturer: Dr Zuzanna Olszewska (ZO) (ISCA), Dr Javier Lezaun (JL) (InSIS), Dr Neil Carrier (African Studies), Dr Stephen Leonard (SL) (ISCA), and Dr Ramon Sarró (RS) (ISCA)

- | | | |
|----|-------------------------------------|----|
| 1. | The individual, culture and society | ZO |
| 2. | Politics and governance | JL |

- | | | |
|----|---|----|
| 3. | Gender and sexuality | ZO |
| 4. | Economic activity and exchange | NC |
| 5. | Language and Anthropology: ways of speaking | SL |
| 6. | Literacy, orality and communication technologies | ZO |
| 7. | Myth, history and memory: conceptions of the past | ZO |
| 8. | Cross-cultural perspectives on time and space | RS |

II. Theories and Approaches in Social Anthropology

Timetable: 2nd year MT (8 Lectures)

Lecturers: Professor David Gellner (DG), Dr Judith Scheele (JS) and Dr Claudio Sopranzetti (CS) (School of Anthropology and Museum Ethnography)

- | | | |
|----|----------------------|----|
| 1. | Evolutionism | DG |
| 2. | Functionalism | DG |
| 3. | Structuralism | DG |
| 4. | Unsettling orthodoxy | DG |
| 5. | History | JS |
| 6. | Practice | CS |
| 7. | Power | CS |
| 8. | Theory | CS |

General Reading list:

Moore, H.L. and T. Sanders (eds) 2006. *Anthropology in Theory: Issues in epistemology* Oxford: Blackwell.

Moore, H.L. (ed.) 1999. *Anthropological Theory Today*. MA: Malden.

Ortner, S.B. 1984. 'Theory in Anthropology since the Sixties'. In *Comparative Studies in Society and History* 26(1): 126-66.

III. Persons, Kinship and Social Reproduction

Timetable: 2nd year HT (8 Lectures)

Lecturers: Dr Robert Parkin (RP) Dr Ramon Sarró (RS) and Dr Morgan Clarke (MC) (ISCA)

- | | | |
|----|--|----|
| 1. | Introduction: decent & filiation | RP |
| 2. | Family and marriage | RP |
| 3. | Affinal alliance & kinship terminology | RP |
| 4. | Descent, alliance and cultural approaches to kinship | RP |
| 5. | Matrilineal kinship: the debate | RS |

- | | | |
|----|---|----|
| 6. | Uncles and nephews: approaches to avuncular relations | RS |
| 7. | New kinship and the new reproductive technologies | MC |
| 8. | Beyond 'new kinship' | MC |

IV. Ethnicity

Timetable: 2nd year, TT (4 lectures)

Lecturer: Professor David Gellner (ISCA)

1. Ethnicity
2. Nationalism 1
3. Nationalism 2
4. 'Race' and racism
5. UK vs Nepal, federalism and ethnicity: a comparison

Tutorials (suggested topics):

- The global and the local: culture vs. economics
- Local histories and the wider world
- Mass culture (including material culture) and identity
- Knowledge and the social relations of its transmissions; literacy and modern communications
- Hunter-gatherer societies and the idea of social evolution
- The imagination of nature and of the human being: history and cultural factors
- Domestic space: structure, social process, and change
- Sex and gender
- Language, ceremony, and creativity
- Reproductive technologies: the social context
- Religious ritual, experience and power
- Spirit possession and healing
- Popular images of genetic science
- Persons, individuals and the state
- Fieldwork and the distinctiveness of anthropological method

Tutorials

Students should have eight tutorials for this paper.

OR

Paper 5(b) Sociological Theory

Course coordinator: Professor Federico Varese, Department of Sociology

In this paper you will investigate a variety of theoretical perspectives on social life. Some perspectives examine how social structures are built up from individual action, whether driven by evolutionary psychology, decided by rational choice, or motivated by meaningful values. Others identify the emergent properties of social life, ranging from face-to-face interaction to social networks to structures of thought. You will use these perspectives to investigate substantive problems. Why do social norms change? How do some groups manage to solve problems of collective action? How does trust link to economic development? Throughout, you will learn how the insights of classical sociologists are being advanced in contemporary research. There will be opportunities to draw on your knowledge of animal behaviour, biological evolution, and human psychology.

Dr Biggs will give 8 lectures on Theoretical Perspectives in Michaelmas Term, and Prof Varese will give 8 lectures on Sociological Problems in Hilary Term. Tutorials are arranged by each student's college tutor.

Introductory Reading

- Barnes, Barry. 1995. *The Elements of Social Theory*.
- Bearman, Peter & Hedström, Peter (eds). 2009. *The Oxford Handbook of Analytical Sociology*.
- Collins, Randall. 1994. *Four Sociological Traditions*.
- Elster, Jon. 2007. *Explaining Social Behavior: More Nuts and Bolts for the Social Sciences*.
- Hedström, Peter & Swedberg, Richard (eds). 1998 *Social Mechanisms: An Analytical Approach to Social Theory*.
- May, Tim. 1996. *Situating Social Theory*.
- Runciman, W.G. 1999. *The Social Animal*.
- Taylor, Charles. 2004. *Modern Social Imaginaries*.

I. Sociological Perspectives

Timetable: 2nd year MT (8 lectures)

Lecturer: Dr Michael Biggs (Dept of Sociology)

1. Rational choice
2. Evolutionary psychology
3. Values and meaning
4. Interaction ritual
5. Social integration
6. Social networks
7. Semiotic systems and functionalism
8. Cultural evolution

II. Sociological Problems

Timetable: 2nd year HT (8 Lectures)

Lecturer: Professor Federico Varese (Dept of Sociology)

1. Micro and macro
2. Strategic interactions, games and behaviour
3. Trust
4. Norms
5. Collective action
6. Collective groups: ethnicity, nationality and race
7. Crime and gangs
8. Conflict, violence and protection

Tutorials

Students should have eight tutorials for this paper.

4. Option Papers

The details of options currently being taken by 3rd year students are available on Weblearn:

<https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/options>

List of Current Options

- Anthropological Analysis and Interpretation (if not taken as a core paper)
- Anthropology of a Selected Region: ONE of Africa, Europe, Japan, Lowland South America; South Asia,
- The Anthropology of Medicine
- Biological Conservation
- Cognitive and Evolutionary Anthropology
- Gender Theories and Realities: Cross-Cultural Perspectives
- General Linguistics
- Health and Disease
- Language
- Physical and Forensic Anthropology: An Introduction to Skeletal Remains
- Quantitative Methods
- Social Policy
- Sociology of Post-Industrial Societies
- Sociological Theory (if not taken as a core paper)
- South and Southern Africa
- A range of Psychology options

PLEASE NOTE:

For students in the 2nd year the list of options above is for guidance only, as there is no guarantee that the same options will be given in 2016 – 2017, although many of them will be offered.

A list of options for 3rd years in 2017 – 2018 will be available at the beginning of Hilary Term 2017, and details of arrangements published on the 2nd year Weblearn as this information becomes available.

You will be able to discuss your choice of options with Course Co-ordinators at an “Options Discussion Meeting” early in Hilary Term of your second year.

5. Regulations and guidelines for the Preparation and Submission of the Dissertation

Here we present the official regulations for the dissertation followed by some recommendations.

Dissertation Regulations

(a) Subject:

In the dissertation the candidate will be required to focus on material from within the Honour School, and must show knowledge of more than one of the basic approaches to the study of Human Sciences. The subject may, but need not, overlap any subject on which the candidate offers papers. Candidates are warned that they should avoid repetition in papers of material used in their dissertation and that substantial repetition may be penalized.

Every candidate shall deliver to the Chairman of the Human Sciences Teaching Committee, c/o the Academic Administrator, the Institute of Human Sciences, The Pauling Centre, 58a Banbury Road the title he or she proposes together with:

- (i) an explanation of the subject in about 100 words explicitly mentioning the two or more basic approaches to the study of Human Sciences that will be incorporated in the dissertation.
- (ii) a letter of approval from his tutor *and* the name(s) of the advisor(s) who will supervise the dissertation.

This should not be earlier than the first day of Trinity Full Term of the year before that in which the candidate is to be examined and not later than 12 midday on Friday fifth week of the same term.

The Chairman of the Teaching Committee, in consultation with the Chairman of Examiners and other Senior Members if necessary, shall as soon as possible decide whether or not to approve the title and shall advise the candidate through his or her college. No decision shall be deferred beyond the end of eighth week of the relevant Trinity Full Term

Proposals to change the title of the dissertation may be made in exceptional circumstances and will be considered by the Chairman of the Teaching Committee until the first day of Hilary Full Term of the year in which the student is to be examined, or only by the Chairman of Examiners thereafter but not later than the last day of the same term. Proposals to change the title of the

dissertation should be made through the candidate's college via the Academic Administrator, Institute of Human Sciences, The Pauling Centre, 58a Banbury Road.

(b) *Authorship and Origin:*

The dissertation must be the candidates' own work. Tutors may, however, discuss with candidates the proposed field of study, the sources available, and the method of presentation. They may also read and comment on a first draft. Every candidate shall sign a certificate to the effect that the thesis is his or her own work and that it has not already been submitted wholly or substantially, for another Honour School or degree of this University, or for a degree of any other institution. This certificate shall be submitted separately in a sealed envelope addressed to the Chairman of Examiners. No dissertation shall, however, be ineligible because it has been or is being submitted for any prize of this University.

(c) *Length and Format:*

No dissertation shall be less than 5,000 words nor exceed 10,000 words; no person or body shall have authority to permit any excess. Candidates may include appendices which will not count towards the word limit. However the examiners are not bound to read the appendices and they shall not be taken into consideration when marking the dissertation. There shall be a select bibliography or a list of sources; this shall not be included in the word count. Each dissertation shall be prefaced by an abstract of not more than 350 words which shall not be included in the overall word count. All dissertations must be typed on A4 paper and be held firmly in a cover. Two copies of the dissertation shall be submitted to the examiners.

(d) *Submission of Dissertation:*

Every candidate shall deliver two copies of the Dissertation to the Chairman of Examiners, Honour School of Human Sciences, Examination Schools, Oxford, not later than noon on Friday of the week preceding Trinity Full Term in the year of the examination.

(e) *Resubmission of Dissertation:*

Dissertations previously submitted for the Honour School of Human Sciences may be resubmitted. No dissertation will be accepted if it has already been submitted, wholly or substantially, for another Honour School or degree of this University, or for a degree of any other institution.

Guidelines and Recommendations from the Teaching Committee for Human Sciences

Synopsis:

Your synopsis, which must be typed, should not exceed 100 words. It should outline the problem which you are investigating and the materials you will use. Candidates should pay particular attention to the statement in the examination decrees and regulations asking candidates to “focus on material from within the Honour School” and to “show knowledge of more than one of the basic approaches to the study of Human Sciences” (see above)

How to Choose a Topic:

Decide whether your dissertation will be based on:

- A. Reading only OR
- B. Reading and individual research

The reading and individual research option may present difficulties in so far as it may require data analysis and skills for the collection of data which may take time. In addition, it is essential to ensure that the materials on which you wish to work will actually be available to you, not just ‘promised’. Despite these caveats, however, this approach may enable you to show your potential as you may be considering the possibility of doing further research, after your degree. Remember that you can get advice from people in the university if and when you embark on any data collection and analysis. No formal training in research is expected. You may find it useful to check Departmental websites and the main University website: <http://www.ox.ac.uk>

The Topic:

You must choose a topic which is within the Human Sciences syllabus. This is very wide but there are a number of exciting areas which do not, alas, deal with Human Sciences, even though they might be thought to fall within the general subject area. The subject must be treated in a scientific manner, in as objective a fashion as possible. No credit is given for ‘advocacy’, however strongly candidates may feel about particular issues. The topic must lend itself to a multi-disciplinary approach, i.e. combining at least two distinctly different approaches and as far as possible focusing both on biological as well as social aspects. For example it would be unwise to concentrate on the gene therapy of a disease which does not have major social implications, or to write a dissertation on any purely sociological or social anthropological issue that does not have interest from another viewpoint. Look at past dissertations as a guide to the variety of topics and approaches but do not take any of them as a firm precedent. Try to decide for yourself whether they have found it difficult to achieve a synthetic approach. You will find that some have tried to do the impossible.

Supervision and Advice:

You are strongly encouraged to talk to as many people in the university as possible, before you submit the title of your dissertation to the examiners, about the field of study, the approach you should take, and about relevant sources and methods. This discussion should happen not later than the Trinity Term of the second year. It may be an advantage to choose a topic, an aspect of which is being researched by someone in the university. Human Scientists should make themselves aware of the research that is going on in Oxford. Don't worry if it turns out that you have chosen the same topic as someone else. It is likely that your approaches will vary considerably.

You should discuss the possible topic of your dissertation in the first instance with your Director of Studies. If your Director of Studies does not feel qualified to give detailed advice, he or she will put you in touch with a potential advisor more familiar with the area you have chosen who will advise on sources and presentation and assist with a bibliography. The amount of assistance should be equivalent to no more than four tutorials or six tutorials if you have two supervisors. Advisors may read and comment on a first draft, however, you have to write the finished version on your own, so make sure you allow plenty of time for this stage. You must not exceed 10,000 words, excluding the bibliography. You may discover that this is a problem but you will find the exercise of pruning is a valuable one, encouraging clarity and precision which you should be aiming for in any case.

Make sure your dissertation addresses a clear question, and explain in your conclusion how the material you have marshalled addresses that question, and to what extent it answers it. Be critical about kinds of evidence and what they can and cannot show. Explain how your chosen disciplines work together or exist in creative tension, as the case may be. You need to refer to and build upon standard references on the topic you have chosen, but you do not have space for long summaries of the literature. You should strive to combine and make connections that others have not noticed.

You should note that the examiners will look for the ability to find and marshal evidence, the ability to argue logically and clearly, the ability to express yourself in clear simple English and the ability to connect different aspects set in a wider context and reach a balanced conclusion.

Dissertations Involving Research with Human Participants and/or Travel

If your dissertation will involve research with human participants (including interviews and surveys) you must complete a CUREC 1A form and submit this for approval through the academic administrator **BEFORE** beginning your research. If you are travelling overseas you must complete a Travel Evaluation form and, if appropriate, a Risk Assessment Form. Again these must be approved **BEFORE** you travel. Please allow **AT LEAST SIX WEEKS** for travel and ethics approval. Further advice on ethics approval

and travel and risk assessment, including links the appropriate forms can be found at <http://www.anthro.ox.ac.uk/about-us/safety-fieldwork-and-ethics/>

Timetable for Dissertation:

- | | |
|--|---|
| 1. Late Hilary Term or Early Trinity Term | Lecture/Presentation on the dissertation for all second years |
| 2. Trinity Term, 2nd year (week 2-3) | Discuss ideas for a topic with your Director of Studies and other members of staff within the subject areas you are considering. |
| 3. Trinity Term, 2nd year (week 4-5) | Submit a brief draft title with 100 word synopsis to Director of Studies for approval. |
| 4. Trinity Term, 2nd year (week 5) | Discuss with your Director of Studies who might act as your dissertation supervisor |
| 5. Trinity Term, 2nd year
(By 12 noon on Friday of week 5) | Submit title of dissertation with 100 word synopsis, and name of your 'Advisor' signed by your Director of Studies, to Academic Administrator in the Pauling Centre |

N:B: You must submit your title and synopsis and state whether your dissertation will involve research with human participants and/or fieldwork involving travel.

if your research will involve human participants please complete CUREC IA form If you are carrying out fieldwork for your dissertation you must complete a risk assessment form and a Travel Evaluation form found at <http://www.anthro.ox.ac.uk/about-us/safety-fieldwork-and-ethics/>

DELIVER TITLE , SYNOPSIS, plus name of advisor, FORM (both signed by your Director of Studies), to: The Chairman of the Teaching Committee for Human Sciences, c/o The Academic Administrator, Pauling Centre for Human Sciences

- | | |
|---|---|
| 6. End of Hilary Term, 3 rd year | If you wish to make any changes to your dissertation title and synopsis you must seek approval BEFORE the end of Hilary Term of the 3 rd year by e-mailing your new title and synopsis to the Academic Administrator |
| 7. Trinity Term, Friday 12 noon 0th week, 3rd year | Submit <i>TWO</i> copies of your dissertation, enclosed in an envelope with your certificate, a copy of which you will have received from the Human Sciences Centre |

Address for delivering your dissertations: The Chairman of Examiners, Honour School of Human Sciences, c/o Exam Schools, High Street

Please note that late delivery of a Dissertation may incur an academic penalty and a fine.

Order of Contents:

(N.B. Sections (i), (ii), (iii)(vii), (viii) do not count towards the word limit)

After the title page there should normally be:

- (i) A table of contents showing, in sequence, with page numbers, the subdivisions of the thesis. Titles of chapters and appendices should be given; titles of subsections of chapters may be given.
- (ii) A list of abbreviations, cue-titles, symbols etc.
- (iii) An abstract of not more than 350 words.
- (iv) A brief introduction in which the examiner's attention is drawn to the aims and broad argument(s) of the work and in which any relevant points about sources and obligations to the work of other scholars are made.
- (v) The body of the dissertation which should be divided into sections each with clear descriptive headings.
- (vi) A conclusion, consisting of a few hundred words which summarise the findings and briefly explore their implications.
- (vii) Any appendices, which do not count towards the word limit (see note below).
- (viii) List of references.

This is essential. It is important to omit nothing which has been important in the production of the dissertation, including any material taken from the web. Works should be listed alphabetically by surname of author (see below for form of references). It is a grave error to cite authors in the text without including them in the list of references. This attracts suspicion that the citation forms part of a passage copied from an unacknowledged source, in other words plagiarism. This may include re-writing material in your own words. If you wish to refer to an author whose work you have not read, you must give the source from which you have taken the information.

PLEASE NOTE:

The University employs a series of sophisticated software applications to detect plagiarism in submitted examination work, both in terms of copying and collusion. It regularly monitors on-line Dissertation banks, dissertation-writing services, and other potential sources of material. Although the University strongly encourages the use of electronic resources by students in their academic work, any attempt to draw on third-party material without proper attribution may well attract severe disciplinary sanctions: Proctors and Assessors Memorandum, Section 9.5

Your attention is drawn to the university's guidelines on plagiarism at <http://www.ox.ac.uk/students/academic/goodpractice/about/>

Further advice on academic good practice and referencing can be found at <http://www.ox.ac.uk/students/academic/goodpractice/develop/>

Footnotes:

If you use footnotes at all (except for references) they should be as few and as brief as possible (they count towards the overall word-limit). Avoid using footnotes as a device for incorporating non-essential material. Footnotes should be printed, single-spaced, at the foot of the page. Footnote numbers should be superscript (not bracketed) and run in a continuous sequence through each chapter.

Appendices:

These should be used only to convey essential data which cannot be elegantly subsumed within the body of the text. Such material includes: catalogues of material evidence, tables of experimental results, original quotation from a foreign language source. They should not be used as a place to express views about questions which are not material to the dissertation.

References or Bibliography:

When a reference is given for a quotation or for a viewpoint or item of information it must be precise. But judgment needs to be exercised as to when a reference is required; statements of fact which no reader would question do not need to be supported by references. It is recommended that references be given in the following manner. In certain areas of the subject it may be more appropriate to give references in footnotes by means of author's name and/or full or abbreviated title.

References should be given in the text by author's name and year of publication (with page reference). For example: Hendry (1998: 22). All works referred to in the text must be listed in full at the end of the text, in alphabetical order by author's name. These references should take the following form:

Books:

Eveleth, P.B. & Tanner, J. 1990. *World Wide Variation in Human Growth*, London: C.U.P.

Contributions to books:

Strulik, S. 2008. 'Engendering Local Democracy Research: Panchayati Raj and Changing Gender Relations in India' in D.N. Gellner & K. Hachhethu (eds.) *Local Democracy in South Asia: Microprocesses of Democratization in Nepal and its Neighbours*, pp. 350–379. Delhi: Sage.

Journal articles:

Aiello, L. and Dunbar, R. 1993. 'Neocortex Size, Group Size and the Evolution of Language', *Current Anthropology* v.34. pp 184–193.

Whichever system you choose for laying out the references it is essential that the references be complete, that the system chosen is applied *systematically*, and that the references be given in alphabetical order.

So far as is possible, try to avoid citing X via Y. If X is important enough to quote in support of your argument, then s/he is important enough for you to read for yourself. The only situation in which citing X via Y is acceptable is if X is some historical manuscript or unpublished source or is otherwise not available in the Bodleian.

Delivery of your Dissertation to the Examination Schools:

Presentation: Dissertations should be typed double-spaced on one side of A4 paper. The quality of the word-processing need not be sophisticated but the dissertation must be presentable.

Identification: The candidate number and the title should appear on the front cover in fairly large type. You should NOT put your name or college anywhere on your dissertation. If you do include such information, that page or cover will be removed. Please do not include acknowledgements (of supervisors, etc.) which could compromise the anonymity of your dissertation.

Binding: Dissertations should be soft-bound. Expensive binding is not necessary.

Certificate: A certificate, a copy of which you will also receive from the Human Sciences office, must be enclosed with your dissertation, indicating that the dissertation is all your own work and has not been submitted for any other degree.

Packaging: Two copies of your dissertation, maximum length 10,000 words, should be submitted enclosed in the envelope which you will receive from the Human Sciences office.

Delivery: Your dissertation must be delivered to the *Examination Schools* addressed to: The Chairman of the Honour School of Human Sciences c/o Exam Schools, High Street, no later than Friday, 12 midday of 0th week of Trinity Term of your Final Year. Please note that late delivery of any dissertation may incur an academic penalty and a fine.

Enjoy your project. You will be absorbed by whatever you choose, and each year, the examiners are impressed by the breadth and the depth of learning and originality which most dissertations show. The examiners always learn something new from the dissertations and regularly consider some of them to be publishable quality. Candidates and examiners usually feel that the dissertations are the highlight of the course and show very well how the components of the Human Sciences degree can be brought together to understand issues of human origins, diversity and behaviour.

6. Examination Regulations 2016

The Honour School is divided into two sections. All candidates will be required to offer papers: 1, 2, 3 (examined by extended essay and a presentation), 4, 5(a) or 5(b), and a dissertation (paper 6) and two option papers (7 and 8):

- (1) Behaviour and its Evolution: Animal and Human
- (2) Human Genetics and Evolution
- (3) Human Ecology
- (4) Demography and Population

The examiners will permit the use of any hand-held pocket calculator subject to the conditions set out under the heading 'Use of calculators in examinations' in the Special Regulations concerning Examinations.

(5(a)) Anthropological Analysis and Interpretation or 5.(b) Sociological Theory

The date by which students must make their choice will be stated in the course handbook.*

(6) Dissertation

(7) and (8) Candidates will also be required to offer two optional subjects from a list posted in the Human Sciences Centre at the beginning of the first week of Hilary Full Term in the year preceding the final examination. These lists will also be circulated to College Tutors. The date by which students must make their choice will be stated in the course handbook.*

** Human Scientists must choose their third-year options in Hilary Term of the second year, the precise date will be notified at the start of Hilary Term.*

Schedule of Subjects

1. Behaviour and its Evolution: Animal and Human

Introduction to the study of behaviour including the evolution of behavioural interactions within groups. Behavioural strategies that have evolved in humans and other animals. The use of models to understand complex behaviour. Advanced ethology and cognition, including learning. Perception and decision-making. Primate behaviour and evolutionary ecology, including the

development of primate social systems and the evolution of cognition. This paper will be examined by an unseen written examination paper.

2. *Human Genetics and Evolution*

The nature and structure of the human genome, including single gene traits, gene function, and assessment of social implications. Population genetics of humans and primates. Quantitative genetics and complex trait analysis in humans. Genomic complexity as illustrated by the genetic basis for immune response. Molecular evolution, human genetic diversity and the genetic basis of human evolution. Genetic basis of common complex diseases. Human behaviour, cognition and cultural transmission in the context of six million years of physiological evolution and ecological change. This paper will be examined by an unseen written examination paper.

3. *Human Ecology*

Human ecology of disease, emphasising diseases that significantly contribute to the global burden of mortality and cultural change. Diet and nutrition anthropology of human societies. Ethno-biology and its cultural, ontological and epistemological contextualization, including Traditional Ecological Knowledge (TEK), Ethno-linguistics and the principles of folk-naming and folk-taxonomy of organisms, Local Ecological Knowledge (LEK) and the significance of place, and practical applications of ethnobiology including biological conservation. Ecology of human reproduction, including cultural differences in reproductive strategies.

This paper will be examined by an extended essay not exceeding 5,000 words (including references and footnotes but excluding bibliography) and a presentation. The essay will be chosen from a list of titles published by the Examiners on Monday of Week 1 of Trinity Term of their second year.

Essays should be word-processed in double-line spacing and should conform to the standards of academic presentation prescribed in the course handbook. Two copies of the essay must be delivered to the Examination Schools (addressed to the Chair of Examiners of the Final Honour School of Human Sciences, High Street, Oxford) not later than 12 noon on Friday of Week 6 of Trinity Term of their second year.

Candidates will be required to give a short presentation on the topic of the extended essay in Michaelmas Term of their Final year. The exact date of the presentation will be notified to students by Week 1 of Michaelmas Term. The presentation will be assessed for clarity and engagement and contributes 5% of the final mark for the extended essay.

4. *Demography and Population*

Candidates will be expected to show knowledge of the major features of past and present population trends, the socio-economic, environmental and bio-medical factors affecting fertility, morality and migration; the social, economic and political consequences of population growth, decline and ageing; and major controversies in demographic theory.

Specific topics will include traditional and transitional population systems in historical and contemporary societies; demographic transitions and their interpretation; demographic processes in post-transitional societies (modern Europe and other industrial areas) including very low fertility, longer life, international migration and new patterns of marriage and family; the changing position of women in the workforce; ethnic dimensions of demographic change; and policy interventions.

The paper will also test knowledge of demographic analysis and techniques including data sources, the quantitative analysis of fertility and morality, the life table, the stable population and other population models, population dynamics and projections, and limits to fertility and the lifespan. The paper will comprise two sections. Section 1 will test the candidate's knowledge of substantive trends and their explanation. Section 2 will test the candidate's ability to interpret quantitative results and methods of demographic analysis. Candidates will be required to answer three questions, two from Section 1 and one from Section 2.

5(a). *Anthropological Analysis and Interpretation*

The comparative study of social and cultural forms in the global context: to include economics and exchange, domestic structures and their reproduction, personal and collective identity, language and religion, states and conflict, understanding of biology and environment, historical perspectives on the social world and upon practice in anthropology. This paper will be examined by an unseen written examination paper.

5(b). *Sociological Theory*

Theoretical perspectives including rational choice; evolutionary psychology; interpersonal interaction; social integration and networks; functionalism. Substantive problems including stratification; gender; race and ethnicity; collective action; norms; ideology. Candidates will be expected to use theories to explain substantive problems. This paper will be examined by an unseen written examination paper.

Paper 6. *Dissertation* (see beginning of Section 5 above)

Marking Procedure

The Examining Board will usually consist of four internal examiners and two or three external examiners. In addition, assessors are appointed for papers which require specialist knowledge where none of the Examiners is expert. Candidates are anonymous, being identified only by a candidate number. Each paper (including the Dissertation) has equal weight. All papers are double-marked.

An Examiner or Assessor, having received an anonymised script (papers 1, 2, 4, 5, 7 and 8), submitted essay (Paper 3) or dissertation (Paper 6) assigns a mark to each question (or the essay or dissertation) on the basis of the marking criteria (see on WebLearn at <https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/page/resources>) Each examiner marks independently, without knowledge of the marks or comments made by the other examiner. Usually, the marks awarded by each examiner are similar and not infrequently identical. Where the overall marks assigned by the two Examiners differ the examiners identify the reasons for the difference through discussion and agree an appropriate mark. If reconciliation is difficult, a third marker acts as arbiter in agreeing the appropriate mark, and answers that have been given particularly discrepant marks may be remarked if necessary. If the examiners cannot reach an agreement, the script is submitted to an external Examiner for “adjudication”. In addition, the External Examiner may query any mark assigned to a question, even if the internal Examiners are unanimous in their judgment.

The mark for each paper (with the exception of the submitted essay and dissertation) is the mean of the marks for the three questions in that paper. Fractional marks for each paper of 0.5 and above are rounded up to the nearest whole mark. Fractional marks of 0.4 and below are rounded down to the nearest whole mark.

The final mark for Paper 3 (Human Ecology) is calculated on the basis of the agreed mark for the submitted essay (weighted at 95%) and the agreed mark for the presentation (weighted at 5%). The weighted mark for the essay is calculated as follows: $\text{Essay Mark}/100 \times 95 = \text{weighted mark}$. The presentation is marked out of 25 (see marking conventions in the Appendix, below), with the weighted mark calculated by dividing this score by 5 to give a mark out of 5.

Thus the final mark for paper 3 is calculated as follows:
 $(\text{Essay Mark}/100 \times 95) + (\text{Presentation Mark}/5) = \text{Final Mark}$.

3.6 Penalties for late or non-submission

Late delivery of any dissertation or assessed work may incur an academic penalty and a fine.

Where a candidate submits a dissertation or other assessed work after the deadline (without having gained the Proctors' approval for an extension) the following late penalty tariff will be applied:

5 marks for being late on the first day and 2 further marks for each day it is late thereafter, with a maximum deduction of 25 marks, with each weekend day counting as a full day.

Failure to submit a required element of assessment will result in the failure of the whole Examination.

3.7 Penalties for over-length work and departure from approved titles or subject-matter

Coursework must have the word count clearly indicated on the front cover. In all cases, word limits are deemed to apply to the text and footnotes or endnotes, but not to the bibliography, any appendices or glossaries, or to the front matter (abstract, title page, contents page, etc., if applicable).

Where a candidate submits a dissertation or other piece of examined written coursework which exceeds the word limit prescribed by the relevant regulation, the examiners will mark the work as if submitted within the stipulated word limit. The Board of Examiners will then reduce the mark awarded according to the following tariff:

1 mark deduction for every 1% or part thereof by which the stated word limit is exceeded:

Word limit of submitted work	Penalty of one mark per:
5000	50 words or part thereof by which limit is exceeded
10000	100 words or part thereof by which limit is exceeded

Where the examiners wish to query the word count, they may ask for an electronic version of the coursework to be submitted.

Examination Conventions

Examination conventions are the formal record of the specific assessment standards for the courses to which they apply. They set out how your examined work will be marked and how the resulting marks will be used to arrive at a final result and classification of your award. They include information on: marking scales, marking criteria, scaling of marks, progression, resits, use of viva voce examinations, penalties for late submission and penalties for over-length work.

The full examination conventions including the marking criteria for Examinations, Dissertations and Submitted Essays and Presentations can be found on WebLearn: <https://weblearn.ox.ac.uk/portal/hierarchy/socsci/socanth/humsci/fhs/page/resources>

Descriptors of Classes

> 70	Class I	Demonstrates overall excellence, including sufficient depth and breadth of relevant knowledge to allow clarity of expression, construction of arguments, demonstration of critical faculties and originality.
60-69	Class Iii	Demonstrates overall a good standard of knowledge and understanding of material, and the ability to apply it effectively to address issues, offer interpretations and construct arguments.
50-59	Class Iiii	Demonstrates overall an adequate standard of knowledge and understanding of material, with some ability to apply it to addressing issues and to offering interpretations.
40-49	Class III	Demonstrates some depth of knowledge of core material and some ability to relate it to central topics of the discipline.
30-39 (without Honours)	Pass	Demonstrates the ability to reproduce with some accuracy a limited selectin of the core material of the discipline.
< 30	Fail	Fails overall to demonstrate a sufficient range and depth of knowledge and understanding, and/or fails to apply it appropriately.

Guidelines for assignment to overall degree class

Class I: Overall mean of 68 or more with 4 or more papers achieving a class mark of First Class (70+) mark

Class 2:1:	Overall mean of 60–67 with 4 or more papers achieving 2:1 marks or higher
Class 2:2:	Overall mean of 50–59 with 4 or more papers achieving 2:2 marks or higher
Class 3:	Overall mean of 40–49 with 4 or more papers achieving 3 rd class marks or higher
Pass	Overall mean of 30–39 with 4 or more papers achieving Pass marks or higher.

As long as the stated required mean mark is achieved it is theoretically possible to pass the degree despite not achieving a pass mark on one or more papers.

Penalty Tariff for Late Submission of Written Work

Five marks will be deducted if the work is submitted late on the first day and 2 marks for each day it is late thereafter, with a maximum deduction of 25 marks and each weekend day counting as a full day.

Examiners' Reports and Past Papers

The Examiners produce a report on the examination that is discussed both at the Institute's Teaching Committee and at Divisional level. The report contains summary statistics, useful information about what Examiners were looking for in an answer to particular questions and indications of any errors made by substantial proportions of the cohort. Copies of this report are posted on [WebLearn](#), together with reports from the External Examiners (usually during the following Hilary Term).

Copies of past exam papers can be found on OXAM (<https://weblearn.ox.ac.uk/portal/site/:oxam>).

7. What do Human Scientists do after their Degree?

It is difficult to say in a few lines what Human Scientists do after their degree as the careers they follow are so varied. Past Human Sciences newsletters, HumSci News (which can be found on the [website](#)) give a good picture of the range of jobs Human Scientists tend to go for. For example: NHS management, banking, journalism, conservation, law, civil service, post-graduate research, overseas development work, academic careers, accountancy, publishing, etc. It may sometimes be possible to put you in touch with a Human Scientist doing the kind of work you think you might like.

All undergraduates are entitled to use the University Careers Service at 56 Banbury Road where you can get up to date information on entry to various careers. Undergraduates are encouraged to register (via the website – see below) early on in your course to make full use of the facilities. The Careers Service covers a huge range of career options, and there is lots of help at hand. Start by registering on-line at www.careers.ox.ac.uk and take a look at What's On. Book a 15-minute appointment with a Careers Adviser (see <http://www.careers.ox.ac.uk> for details and times). The careers website includes an extensive searchable database of all types of vacancies in all sectors as well as information on careers events in Oxford – to access, log onto CareersConnect. In addition the website has a wide range of information on topics such as postgraduate CVs and interviews, how to choose a career, working abroad and the Oxford Careers Network. A wide range of literature about different occupations and a series of Career Briefings is available at the Careers Centre and on the website. In addition the Careers Centre provides a computer-assisted careers guidance system, Prospects Planner, which helps you think more about how your individual qualities relate to particular occupations; skills sessions and employer presentations to help you prepare your CV and covering letters, tackle application forms, and prepare for interviews, assessment centres and aptitude tests; a weekly e-mail newsletter; and events and fairs to inform your career choice and provide opportunities.

The Oxford Graduate Prospectus is also available online.

Website: http://www.ox.ac.uk/admissions/postgraduate_courses/index.html

Appendices

Appendix 1 – University of Oxford: Equality Policy

The University of Oxford aims is committed to fostering an inclusive culture which promotes equality, values diversity and maintains a working, learning and social environment in which the rights and dignity of all its staff and students are respected.

You can view the full Equality Policy at:

<http://www.admin.ox.ac.uk/eop/policy/equality-policy/>

Appendix 2 – University of Oxford: Rules Governing IT Use

The attention of undergraduates is drawn to the University Rules for Computer Use, available on the University website at <http://www.ict.ox.ac.uk/oxford/rules/>. All users of IT and network facilities are bound by these rules.

Appendix 3 – University of Oxford Information Security Policy

Your attention is also drawn to the University's Information Security Policy which can be found at <http://www.it.ox.ac.uk/policies-and-guidelines/information-security-policy> which applies to all students and staff of the university. The School of Anthropology and Museum Ethnography's Information Security Policy can be found at <http://www.anthro.ox.ac.uk/about-us/information-security/>

Appendix 4 – Other University Policies and Regulations

The University has a wide range of policies and regulations that apply to students. These are easily accessible through the A–Z of University regulations, codes of conduct and policies available on the Oxford students website:

www.ox.ac.uk/students/academic/regulations/a-z