BISC 499

Global Health

Catalogue Description
The program will encompass 5 themes each addressed in 3 individual sessions:

- Challenges in global health
- Health policy and public health
- Tropical medicine
- Vaccinology
- International development and health

Contact:

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Units 4

Goals and Objectives:
The aims and objectives of each theme are as follows:

**Challenges in global health**: The aim is to introduce students to the major diseases and risks to health in the developing world. The objectives are:
- Overview the major public health challenges in developing countries
- Understand the risk factors for premature death in these countries
- Appreciate the major prevention strategies and challenges for control of these diseases

**Health policy and public health**: The aim is to examine policy issues and determinants of public health and health policy in international health. The objectives are:
- Understand major principles of public health
- Understand principles of health promotion and behaviour change in relation to health
- Understand the role of values, ethics, culture with regards to health

**Tropical medicine**: The aim is to give students an introduction to tropical infectious diseases. The objectives are:
- Understand the clinical aspects of the most common tropical diseases, with an emphasis on infectious diseases
- Appreciate the strategies used to deliver diagnose and treat these diseases in resource-limited settings

**Vaccinology**: The aim is to give students an overview of the availability and use of vaccination in disease control in developed and developing countries. The objectives are:
- Understand the current impact of vaccination programmes on global health and threats to current control measures
- Understand the scientific basis of new vaccine development and both opportunities for and impediments to progress
- Appreciate the process and financial requirements for vaccine development and deployment

**International development and health**: The aim is to situate health in its wider social, economic and political context and provide a basic understanding of the intimate, bi-directional relationship between health and development processes. The objectives are:
To understand the main theories relating health and development, and identify their strengths and weaknesses
To understand a range of paradigms and narratives in development studies
To appreciate the intended and unintended consequences of development interventions for health
To understand the role policy processes play in realising development objectives

Each theme will consist of 3 sessions, as outlined below. Every student will participate in all 15 sessions, plus a special ‘Guest session’. Students will select one of the five themes on which to base their project.

Lectures and Outline of Program:

Monday 18 July
9.30 – 12.00 Welcome and introduction to course (Brian Angus) and session 1: **Challenges in global health**: Tuberculosis: Helen McShane
12.00 - 2.00 Lunch
2.00 – 3.00 Introduction to library and registration
3.00 - 5.00 Project preparation

Tuesday 19 July
9.30 – 12.00 Sessions 2 and 3: **Challenges in global health**: HIV/AIDS: Adrian Smith; Mapping Malaria: Simon Hay
12.00 - 2.00 Lunch
2.00 – 5.00 Project preparation

Wednesday 20 July
9.30 – 12.00 Sessions 4 and 5: **Health policy and public health**: Measuring health and health care needs in populations: Emma Plugge; Principles of public health: Ray Fitzpatrick
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

Thursday 21 July
9.30 – 12.30 Visit to Osler Library (Terence Ryan)
12.30 – 1.30 Lunch
1.30 – 4.30 Osler Library: CAM (Terence Ryan and Merlin Willcox)

Friday 22 July
9.30 – 12.00 Sessions 6 and 7: **Health policy and public health**: Challenges of global governance for global public health: Alastair Gray; **Tropical medicine**: Respiratory infections: Matthew Scarborough
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

Monday 25 July
9.30 – 12.00 Sessions 8 and 9: **Tropical medicine**: Enteric infections: Ed Moran; Vector control: Brian Angus
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

Tuesday 26 July
9.30 – 12.00 Sessions 10 and 11: **Tropical medicine**: Guest session: David Warrell: Parasitic infections, poisoning and venom
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

Wednesday 27 July
Visit London
9.30 – 10.30 conducted tour of Wellcome Collection (medicine exhibitions)
11.00 – 12.30 conducted tour of British Museum (Egyptian and other medical exhibits)
12.30 – 2.00 Lunch
2.00 – 3.00 conducted tour of Hunterian Museum (Royal College of Surgeons)
4.00 – 5.00 conducted tour of Guy’s Hospital (Museum and Herb Garret)

**Thursday 28 July**
9.30 – 12.00 Sessions 12 and 13: **Vaccinology**: Malaria vaccines: Susanne Sheehy; HIV vaccines: Lucy Dorrell
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

**Friday 29 July**
9.30 – 12.00 Sessions 14 and 15: **International development and health**: Inequality and health: Proochista Ariana; Development, environment and health: Sasha Shepperd
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

**Monday 1 August**
9.30 – 11.00 conducted tour of Pitt Rivers Museum of anthropology and world archaeology
11.00 – 12.30 conducted tour of Oxford University Museum of Natural History
12.30 – 2.00 Lunch
2.00 – 5.00 Project preparation

**Tuesday 2 August**
9.30 – 12.00 Session 16: **International development and health**: New and resurgent diseases: Proochista Ariana; summing up of course and evaluation (Brian Angus)
12.00 – 2.00 Lunch
2.00 – 5.00 Project preparation

**Wednesday 3 August**
Visit Berkeley, Gloucestershire
12.00 – 4.00 conducted tour of Edward Jenner Museum, inc film and discussion with researchers; lunch at museum

**Thursday 4 August**
9.30 – 10.30 Project presentations (2) and discussion with tutors
10.30 – 11.00 Break
11.00 – 12.00 Project presentations (2) and discussion with tutors
12.00 – 2.00 Lunch
2.00 – 3.00 Project presentations (2) and discussion with tutors
3.00 – 3.30 Break
3.30 – 4.30 Project presentations (2) and discussion with tutors

**Friday 5 August**
9.30 – 10.30 Project presentations (2) and discussion with tutors
10.30 – 11.00 Break
11.00 – 12.00 Project presentations (2) and discussion with tutors
12.00 – 2.00 Lunch
2.00 – 5.00 Visit Oxford Museum of the History of Science

**Total course contact hours: 45 hours**

In addition to the course trips to London and Berkeley (Gloucestershire), private trips at week-ends to places of interest in the vicinity, such as Blenheim Palace, Woodstock (home of Duke of Marlborough and birthplace of Winston Churchill), Stratford upon Avon (Royal Shakespeare Company Theatre and birthplace of William Shakespeare), Warwick Castle and others, can be arranged.
Exams and Assignments:
There will be no exams; however, a final paper will be due at the end of the course based on one of the five major areas of study. This will be a group project; each group will encompass 4-5 students depending on enrolment. The project will be reviewed and a grade assigned as outlined below.

Grading:
The final grade will be totally based on the points received for the final paper:

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<thead>
<tr>
<th>Point Total</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100</td>
<td>A (-/+)</td>
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<tr>
<td>80-89</td>
<td>B (-/+)</td>
</tr>
<tr>
<td>70-79</td>
<td>C (-/+)</td>
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<tr>
<td>60-69</td>
<td>D (-/+)</td>
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<tr>
<td>&lt; 60</td>
<td>F</td>
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Academic Integrity:
Our University depends on honesty, integrity, and ethical behaviour among its members. These principles are summarized in the Code of Ethics published in the 2010-2011 edition of the SCampus Student Guidebook (http://web-app.usc.edu/scampus/). We expect that our students studying at another university will respect that university’s academic integrity guidelines as well as those of the University of Southern California.

Organising staff
OIBC
Mrs Kasia LEWIS, Projects Manager (MSc Warsaw U)
Dr Alan MALCOLM, Director (MA, DPhil Oxford U; Professor Emeritus of Biochemistry, London U; http://www.oibc.org.uk/director.html)
Dr Charles PASTERNAK, President (MA, DPhil, DSc, Oxford U; Professor Emeritus of Biochemistry, London U; http://www.oibc.org.uk/founder.html)

Kellogg College
Dr Jonathan MICHIE, President; Director of the Department for Continuing Education
Dr Angus HAWKINS, Deputy Director (Director, International Programmes), Department for Continuing Education; Estates Bursar
Ms Sarah GAUNTLETT, Domestic Bursar

Teaching staff
Organiser
Dr Brian ANGUS, Director of the Wellcome Trust UK Centre for Clinical Tropical Medicine, Nuffield Department of Medicine, Oxford U

Tutors
Dr Brian ANGUS
Dr Proochista ARIANA, Division of Public Health & Primary Health Care, and Queen Elizabeth House (International Development), Oxford U
Dr Lucy DORRELL, Nuffield Department of Medicine, Experimental Medicine, and Weatherall Institute of Molecular Medicine, Oxford U
Dr Ray FITZPATRICK, Division of Public Health & Primary Health Care, Oxford U
Dr Alastair GRAY, Division of Public Health & Primary Health Care, Oxford U
Dr Simon HAY, Department of Zoology, Oxford U
Dr Helen McSHANE, Nuffield Department of Medicine, Experimental Medicine, Oxford U
Dr Ed MORAN, Weatherall Institute of Molecular Medicine, Oxford U
Dr Emma PLUGGE, Division of Public Health & Primary Health Care, Oxford U
Dr Terence RYAN, Professor Emeritus of Dermatology, Oxford U
Dr Matthew SCARBOROUGH, Clinical Laboratory Sciences, Oxford U
Dr Susanne SHEEHY, Jenner Institute, Oxford U
Dr Sasha SHEPPERD, Division of Public Health & Primary Health Care, Oxford U
Dr Adrian SMITH, Division of Public Health & Primary Health Care, Oxford U
Dr David WARRELL, Nuffield Professor Emeritus of Clinical Medicine, Oxford U
Dr Merlin WILLCOX, Division of Public Health & Primary Health Care, Oxford U