### 6SSPP346
**GLOBAL SCIENCE POLICY**
2014-2015

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<tr>
<th>Module Code:</th>
<th>6SSPP328</th>
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<td>Credits:</td>
<td>15</td>
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<td>Semester:</td>
<td>2</td>
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<td>Module Convenor:</td>
<td>Professor Brian Salter</td>
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<td>Lecturers:</td>
<td>Professor Brian Salter, Professor Jonathan Grant, Dr Yinhua Zhou, Saheli Datta.</td>
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<tr>
<td>Seminar Tutor:</td>
<td>Professor Brian Salter, Saheli Datta</td>
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</table>
| Contact Details:   | Brian: brian.g.salter@kcl.ac.uk  
|                    | Jonathan: jonathan.grant@kcl.ac.uk  
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|                    | Saheli: saheli.datta@kcl.ac.uk |
| Office Hours:      | Brian: TBC, Strand Building, Room S2.12  
|                    | Saheli: TBC, Strand Building, Room S2.03 |
| Teaching:          | 1 hour lecture and 1 hour seminar per week |
| Assessment:        | 2 x 2500 word essays.  
|                    | **First essay deadline:** 20 February 2015  
|                    | **Second essay deadline:** 27 March 2015  
|                    | **Formative evaluation:** Each student is required to deliver one 5-10 minute seminar presentation on one of the supporting readings. This is an opportunity to develop presentation skills and is not formally assessed. |

### Educational Aims

Science and technology are omnipresent and ever-increasing aspects of contemporary societies and economies. The development of policy in these fields is frequently the subject of controversy in public policymaking, marked by concerns about risks, hopes about economic, social and medical progress, and contested representations of scientific evidence in the public domain. Scientific innovation networks are global in scale and economies compete for position in a global economy of science and technology.
This module is designed to introduce students to the basic structures, concepts, and issues of global science policy from a political economy perspective drawing in particular on the case of the life sciences: arguably the most global, dominant, and lucrative of scientific fields. Drawing on a range of theories taken from governance, public policy, globalisation and innovation, the module will construct, explore and apply an analysis of the political economy, which drives and defines global science policy at national and transnational levels.

Specifically, the module aims to enable students to:
1. Critically review the contribution of a range of theories to an understanding of the political economy of global science policy
2. Identify and explore the underlying power struggles of global science policy
3. Critically examine the content, formation and political impact of particular science policies.

The module will draw on the current research of the ESRC project *State strategies of innovation in global biomedical innovation: the impact of China and India* and provide students with cutting edge insights into the global politics of the life sciences.

**ASSESSMENT**

The module will be assessed through:
1. Essay (50%) Due 20 February 2015, 5pm.
2. Essay (50%) Due 27 March 2015, 5 pm.

Students will be expected to submit two essays taken from the list of essay questions (to be uploaded on KEATS by Week 2) of 2,500 words. Each essay will account for 50% of the final mark. Please note that essays are partly exercises in writing concisely, which is an important academic skill. As such, essays are required to follow the departmental rules as below,

- For work that exceeds the word limit by up to and including 10% (e.g. up to and including 2,200 words on an essay with a limit of 2,000 words) no penalty will be incurred.
- For work that exceeds the word limit by 11% or more, 0.5 points will be deducted from the mark for each 1% of excess length (e.g. for an essay with a word limit of 2,000 words that is a length of 2,220 words and would normally be awarded a mark of 64, the mark will be reduced to 63.5; for a length of 2240 words, the mark will be reduced to 63 etc.).
- Essays that do not clearly state the word count will receive a mark of 0.

It is therefore crucial that you remain within the allocated word limit. (The bibliography is not included but everything else is – including footnotes, endnotes, appendices, boxes etc). For further information, please refer to the Undergraduate Student Handbook found under *Student Resources - Undergraduate Studies* on the departmental website.

The penalties for late submission have changed from last year. In line with Faculty regulations, essays submitted after this time, without exceptional extenuating circumstances, will suffer a penalty. Essays submitted within 24 hours of the deadline will be capped at the pass mark of 40%. Essays submitted more than 24 hours after the deadline receive a mark of
zero, seriously jeopardising your prospects of passing the module. For exceptional or extenuating circumstances, please see the Undergraduate Student handbook for instructions, guidance and forms. If you face extenuating circumstances that mean that you will not be able to meet the deadline it is essential that you inform the relevant person as early as possible.

In addition to the essays, there will be a ‘Formative evaluation’ component wherein each student is required to deliver one 5-10 minute seminar presentation on one of the supporting readings. This is an opportunity to develop presentation skills and is not formally assessed. The student allocation lists for the weekly presentations will be uploaded on KEATS by the first week of the module.

All assessed work is marked under the terms outlined in the College Generic Marking Criteria for Undergraduate Awards, a copy of which is available online, and is subject to further scrutiny in accordance with the College Marking Framework.

Lectures: Mondays, 13:00-14:00

Venue: Strand Building, Room S0.12

Seminar timetable:
Group 1 (Brian): Strand, 2E Chesham Bldg, Monday 14:00-15:00
Group 2 (Saheli): Strand, 2E Chesham Bldg, Monday 15:00-16:00
Group 3 (Saheli): Strand, S-1.01 Strand Building, Monday 16:00-17:00

Text Books
Since the module aims for an advanced understanding of a limited number of contemporary issues, there is no textbook.

Lecture schedule

Week 1 - Globalisation, science and governance: the politics of the knowledge economy
Core reading

Week 2 - Hegemony, science and the market
Core reading

Supporting reading

**Week 3 - Consumers, science, and innovation: models in conflict**

*Core reading*

*Supporting reading*


**Week 4 - Bioethics and the moral economy of science**

*Core reading*

*Supporting reading*


**Week 5 - Health research systems: different ways of supporting innovation [Jonathan]**

*Core reading*

*Supporting reading*

**Week 6 - Measuring economic returns from science: the case of cancer R and D [Jonathan]**

**Core reading**


**Supporting reading**


**Week 7 - Science and the politics of venture capital: the China case [Yinhua]**

**Core reading**


**Supporting reading**


**Week 8 - Science and transnational governance [Saheli]**

**Core reading**


**Supporting Reading:**


**Week 9 - Big science, big data: the political rise of bioinformatics**

*Core reading*

*Supporting reading*


**Week 10 - Hot topics: applying the analysis**
Throughout the course students are asked to monitor the media for hot topics in science and bring a topic to this final session. In this session, the lecture will summarise the analysis developed in the course and the seminars will apply this analysis to the student topics.