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## ECONOMICS 303Y1

### THE ECONOMIC HISTORY OF MODERN EUROPE TO 1914

Lecture Topics, September 2010 - April 2011

Updated: Wednesday, 6 April 2011

**Suggested Readings for the lecture topics: Optional only:** read as much as you feel is necessary. But there is absolutely NO requirement that you read anything in advance of the lectures, though some students voluntarily choose to do so. The suggested readings are thus for the benefit of such students, who may read as much or as little as they deem advisable.

Peter Mathias, *The First Industrial Nation*, 2nd edn. (London, 1983).

David Landes, *The Unbound Prometheus* (Cambridge, 1969; revised 2003).

Broadberry and O'Rourke, *The Cambridge Economic History of Modern Europe*, Vol. I: *1700-1870*; Vol.II: *1870 to the Present* (Cambridge, 2010).

Clive Trebilcock, *The Industrialization of the Continental Powers* (London, 1981).

**Readings from the "A" List Essay Topic Lists:** for each term, are indicated by ET no. 1, ET no. 2, etc.. They are to be found in the LEFT column, under the lecture date, and beside the lecture topic.

**Lectures are two hours (with a ten-minute break at the hour), on Wednesday afternoons, from 3:00 to 5:00 pm (or to 5:30 pm, four times each semester), in University College: UC 52.**

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings | LECTURE TOPICS TO BE COVERED  |
|----------|-------------|--|---|
| 1.       | 1.          | 15 September 2010<br><br>ET 2          | <b>INTRODUCTION to Eco 303Y:</b><br><br>Course Organization and requirements. first hour of class<br><br><b>Note:</b> The former lecture no. 1 for this course, on the Dutch economy in early-modern Europe, is not given in class; but is available on line (see the online lectures). |

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|----------|-------------|--|---|
| 1.       | 2.          | <b>15 September 2010</b><br><br><b>Landes</b> , ch. 1<br><b>Broadberry I</b> , ch. 1   | <b>THE INDUSTRIAL REVOLUTION IN GREAT BRITAIN: a Watershed in Human History?</b><br><br>An Introduction to its Importance in World History: second hour of class  |
| 2.       | 3.          | <b>22 September 2010</b><br><br><b>Landes</b> , ch. 1<br><b>Mathias</b> , ch. 1-3  | <b>THE INDUSTRIAL REVOLUTION: Science, Technology, Education and Social Attitudes in Great Britain during the Industrial Revolution:</b><br><br>1. Technology in the Industrial Revolution<br>2. The Scientific Revolution: from the 1660s<br>3. Religion, Politics, and Society: the Dissenters<br>4. Education, Science, and the Industrial Revolution  |
| 3.       | 4.          | <b>29 September 2010</b><br><br><b>Landes</b> , chs. 1-2<br><b>Mathias</b> , pp. 166-79; 97-110.<br><b>Landes</b> , ch. 1<br><b>Broadberry I</b> , ch. 2<br><b>ET</b> no . 1 | <b>THE INDUSTRIAL REVOLUTION: Demography and the Market</b><br><br><b>Expansion of the Market:</b> Demand and Supply in the Industrial Revolution;<br><br><b>Population</b> , the market, and the ‘demographic revolution’, from ca. 1660 to 1815.  |
| 4.       | 5.          | <b>6 October 2010</b><br><br><b>Mathias</b> , pp. 76-97.<br><b>Broadberry I</b> , ch. 4<br><br><b>ET</b> nos. 2, 3,4   | <b>THE INDUSTRIAL REVOLUTION: Trade</b><br><br><b>Expansion of the Domestic Market:</b> the role of the domestic market in the Industrial Revolution. Inland transport and the first ‘transport revolution’: in canals.<br><br><b>British Foreign Trade:</b> The ‘Commercial Revolution’ and ‘New Colonialism’ of 1660 - 1760; Mercantilism, Colonies, and the Navigation Laws; Foreign trade during the Industrial Revolution (1760-1820). |

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings  | LECTURE TOPICS TO BE COVERED   |
|----------|-------------|---|--|
| 5.       | 6a.         | <b>13 October 2010</b><br><br><b>Mathias</b> , pp. 47-75.<br><br><b>Broadberry I</b> , ch. 6<br><b>ET no. 5</b>       | <b>THE INDUSTRIAL REVOLUTION: Agriculture</b><br><br><b>The ‘Agricultural Revolution’</b> : agrarian changes and modern industrialization:<br><b>the medieval heritage and impediment to growth</b> : The Open or Common Field Systems; Three-course rotations;<br><b>Enclosures</b> : origins and evolution<br><b>Innovations during the agrarian slumps of 1660-1750</b> : Convertible Husbandry and Norfolk farming systems   |
| 6.       | 6b.         | <b>20 October 2010</b><br><br><b>Mathias</b> , pp. 47-75.<br><b>Broadberry I</b> , ch. 6, 3<br><br><b>ET no. 4, 5</b> | <b>THE INDUSTRIAL REVOLUTION: Agriculture</b><br><br><b>The aftermath of the agrarian recession, 1660-1740</b> : land consolidation and the decline of the yeomen farmers.<br><b>The Enclosure Movements, 1750 - 1830</b> : the nature and forms of expropriations; the debates about enclosures.<br>Rates of growth in the agrarian sector: 1650 - 1750, 1750-1800, 1800-50. The role of agrarian changes in the British Industrial revolution: the labour supply, industrial raw materials, the supply of industrial capital; social consequences of Enclosures. |
| 6.       | 7a.         | <b>20 October 2010</b><br><br><b>Mathias</b> , pp. 130-59;<br><b>Broadberry I</b> , ch. 3                             | <b>THE INDUSTRIAL REVOLUTION: Banking</b><br><br><b>Banking and Finance</b> : Business Organization: Partnerships and Joint Stock Companies to the 1720 South Sea Bubble;  |
| 7.       | 7a.         | <b>27 October 2010</b><br><br><b>Mathias</b> , pp. 130-59;<br><b>Broadberry I</b> , ch. 3<br><br><b>ET no. 3, 4</b>   | <b>THE INDUSTRIAL REVOLUTION: Banking</b><br><br><b>Banking and Finance</b> :<br><br>The ‘Goldsmiths’ and London Banking in the 18th Century; the creation of the Bank of England; its role as a government and private bank, 1697-1797; the 1797 Crisis and embryonic Central Banking;<br><br><b>The role of the Bank of England</b> in government finance and the National Debt in the 18th and early 19th centuries;  |

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|----------|-------------|---|---|
| 8.       | 7b.         | <b>3 November 2010</b><br><br><b>Mathias</b> , pp. 130-59;<br><b>Broadberry I</b> , ch. 3.<br><br><b>ET nos.</b> 3, 4                                     | <b>THE INDUSTRIAL REVOLUTION: Banking</b><br><br><b>Banking and Finance:</b><br><br>‘Country Banking’ and Scottish Banking during the Industrial Revolution; Financing the Industrial Revolution; Mechanics and Levels of Capital Formation.  |
| 8.       | 8.          | <b>3 November 2010</b><br><br><b>Mathias</b> , pp. 110-30; 237-52; <b>Landes</b> , pp. 88-108.<br><b>Broadberry I</b> , ch. 7, 8<br><b>ET nos.</b> 6      | <b>THE INDUSTRIAL REVOLUTION: Industry</b><br><br><b>Steam Power:</b><br><br>The revolution in steam-power: Savery, Newcomen, Watt, and applications of the Watt steam-engine.  |
| 9.       | 9.          | <b>10 November 2010</b><br><br><b>Mathias</b> , pp. 110-30; 237-52; <b>Landes</b> , pp. 88-108.<br><b>Broadberry I</b> , ch. 7<br><br><b>ET nos.</b> 4, 6 | <b>THE INDUSTRIAL REVOLUTION: Industry</b><br><br><b>Metallurgy:</b> The revolution in iron-making: the 16th-century blast-smelter and industrial capitalism; growth and stagnation, 1660-1740; the ‘tyranny of wood and water’; Darby and coke-smelting; steam-powered blast furnaces; the revolution in iron-refining; vertical integration. The crucial role of steam and iron in the Industrial Revolution. |

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings   | LECTURE TOPICS TO BE COVERED   |
|----------|-------------|--|--|
| 9.       | 10.         | <b>10 November 2010</b><br><br><b>Mathias</b> , pp. 110-30; 219-51; <b>Landes</b> , pp. 80 - 123.<br><b>Broadberry I</b> , ch. 7<br><br><b>ET nos.</b> 5, 6. | <b>THE INDUSTRIAL REVOLUTION: Industry</b><br><br><b>Textiles:</b><br><br>woollens, fustians, and cottons in the 18th century; the 'putting-out system' of rural handicraft production.  |
| 10.      | 10.         | <b>17 November 2010</b>  | <b>THE INDUSTRIAL REVOLUTION: Industry</b><br><br><b>The revolution in cotton textile-manufacturing:</b><br><br>The three revolutions in spinning; the slow mechanization of weaving; the development of steam-powered factory production. Why first in cottons rather than woollens? The mechanization of the woollen industry. Contributions of textiles to industrialization. |
| 10.      | 11.         | <b>17 November 2010</b><br><br><b>Mathias</b> , pp. 321-331<br><b>Broadberry I</b> , ch. 3, 5, 8<br><br><b>ET</b> 9, 10                                      | <b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b><br><br><b>Banking and Finance in the 19<sup>th</sup> century:</b><br><br><b>Business Cycles, 1815 - 1873:</b><br><br>for independent reading only   |
| 10.      | 12.         | <b>17 November 2010</b><br><br><b>Mathias</b> , pp. 321-331<br><b>Broadberry I</b> , ch. 3, 5, 8<br><br><b>ET</b> 9, 10                                      | <b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b><br><br><b>Bank Acts of 1826-32</b> and joint-stock banking;<br><br><b>The Bank Charter Act of 1844 and the Bank of England:</b> its slow evolution as a modern central bank   |

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|----------|-------------|--|---|
| 11.      | 12.         | <p><b>24 November 2010</b></p> <p><b>Mathias</b>, pp. 252-65 (ch. 10); 321-331 (ch. 13);<br/> <b>Broadberry I</b>, ch. 3, 5, 8;<br/> <b>Landes</b>, pp. 277-79.<br/> <b>ET</b> no. 9, 10</p> | <p><b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b></p> <p><b>Business Organization:</b></p> <p>Limited Liability corporations and their diffusion: 1825 Repeal of the Bubble Act; 1844: Companies Registration Act; 1856: Joint Stock Companies Act and Limited Liability.</p>   |
| 11.      | 13.         | <p><b>24 November 2010</b></p> <p><b>Broadberry I</b>, ch. 3, 8;<br/> <b>Landes</b>, pp. 277-79.</p>   | <p><b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b></p> <p><b>The 19th-Century Transportation Revolutions:</b></p> <p>(1) <b>Railroads</b> and their impact on industrialization.</p> <p>(2) <b>Steam and Iron Shipping:</b> the British post-1870 hegemony in world shipbuilding and shipping.</p>   |
| 12.      | 14.         | <p><b>1 December 2010</b></p> <p><b>Mathias</b>, pp. 266-307;<br/> <b>Broadberry I</b>, ch. 4;<br/> <b>Broadberry II</b>, ch. 1, 2, 4<br/> <b>ET</b> no. 10</p>                              | <p><b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b></p> <p><b>Foreign Trade:</b> The politics of Free Trade: Corn Laws and taxation, 1815-46; the international free trade movement and return to protectionism; The Imperialism of Free Trade, and the era of Capitalist Imperialism; British capital investments, 1850- 1873 and 1873 - 1914.</p> |

| Week no.                                  | Lecture no. | Wednesday Dates and Suggested Readings   | LECTURE TOPICS TO BE COVERED   |
|---|-------------|--|--|
| <b>SECOND TERM: January to April 2011</b> |             |  |  |
| 13.                                       | 15.         | <b>12 January 2011</b><br><br><b>Mathias</b> , pp. 308-20 (ch. 12); <b>ET</b> no. 5<br><br><b>Broadberry I</b> , ch. 6;<br><b>Broadberry II</b> , ch. 3<br><b>ET</b> no. 5 | <b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b><br><br><b>Agriculture:</b><br><br>Agricultural problems during the era of the Corn Laws, 1815-46. 'High Farming' and Free Trade, 1846-1873; the 'Agricultural Depression,' 1873-1914.<br><br>Mid-year test handed out to the class: due the following week. |
| 13.                                       | 16.         | <b>12 January 2011</b><br><br><b>Landes</b> , pp. 249-69;<br><b>Mathias</b> , pp. 247-51;<br><b>Broadberry I</b> , ch. 7;<br><b>Broadberry II</b> , ch. 2, 3               | <b>GREAT BRITAIN AS THE UNCHALLENGED INDUSTRIAL POWER, 1815 - 1873</b><br><br><b>Industry:</b><br><br><b>The Revolution in Steel-Making:</b> Bessemer, Siemens-Martin, Gilchrist-Thomas; the 'Second Industrial Revolution' in Mechanical Power.   |
| 14.                                       | 17.         | <b>19 January 2011</b><br><br><b>Trebilcock</b> , pp. 112-38;<br><br><b>Broadberry I</b> , ch. 3, 4, 8<br><br><b>ET</b> no. 7  | <b>FRANCE, 1789-1914:</b><br><br><b>Economic Integration:</b> the French Revolution, market unification and internal free trade, the abolition of feudalism.<br><br><b>Transportation:</b> French Railways.  |

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|----------|-------------|---|---|
| 14.      | 18a.        | <b>19 January 2011</b><br><br><b>Trebilcock</b> , chapter 3 (pp. 112-25, 163-67);<br><b>Broadberry I</b> , ch. 6, II, ch. 3<br><b>Landes</b> , pp. 205-10<br><br><b>ET no. 7</b>  | <b>FRANCE, 1789-1914:</b><br><br><b>Agriculture:</b><br><br>The structure of agriculture on the eve of the French Revolution; the Revolutionary Land Reforms  |
| 15.      | 18b.        | <b>26 January 2011</b><br><br><b>Trebilcock</b> , chapter 3 (pp. 112-25, 163-67);<br><b>Broadberry I</b> , ch. 6, II, ch. 3<br><b>Landes</b> , pp. 205-10;<br><br><b>ET no. 7</b> | <b>FRANCE: 1789-1914</b><br><br><b>Agriculture:</b><br><br>The Inheritance Laws, Demography, and Peasant Farming after 1815; the industrial consequences of peasant farming, demographic and agrarian stagnation.<br><br>The main phases of agricultural development, 1815-1914;<br><br>- French, British, and German Agriculture: the 'Path Dependency' Debate<br><br>- Agriculture and French Industrialization |
| 16.      | 19.         | <b>2 February 2011</b><br><br><b>ET no. 7</b><br><b>Broadberry I</b> , ch. 3, 8;<br><b>Broadberry II</b> , ch. 3  | <b>FRANCE: 1789-1914</b><br><br><b>Banking:</b> Business Organization; the Bank of France; Investment Banking, the Rothschilds, and Cr dit Mobilier; Capital Exports and French Financial Institutions.   |



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|----------|-------------|---|--|
| 16.      | 20.         | <b>2 February 2011</b><br><br><b>Trebilcock,</b> ch. 3; <b>Landes,</b> chs. 4-5;<br><b>Broadberry I,</b> ch. 7;<br><b>Broadberry II,</b> ch. 3<br><br><b>ET no. 7</b> | <b>FRANCE: 1789-1914</b><br><br><b>Industry:</b> the Coal Problem in the French Economy; Iron and Steel; Textiles and Food Processing; the French automobile industry; other successes and failures;<br><br><b>Firm Size</b> and the structure of French industry in 1914;<br><br><b>The Debate</b> about French industrialization, 1789 - 1914. |
| 17.      | 21.         | <b>9 February 2011</b><br><br><b>Trebilcock,</b> chs. 1-2 (esp. 29-45, 55-61)<br><b>Broadberry I,</b> ch. 3, 7, 8<br><b>ET no. 8</b>                                  | <b>GERMANY, 1815-1914:</b><br><br><b>Market</b> Unification and the Zollverein;<br><br><b>German Railways</b> and national unification.  |
| 17.      | 22.         | <b>9 February 2011</b><br><br><b>Trebilcock,</b> chs. 1-2 (esp. 29-45, 55-61)<br><b>Broadberry I,</b> ch. 6;<br><b>Broadberry II,</b> ch. 2, 3<br><b>ET no. 8</b>     | <b>GERMANY, 1815-1914:</b><br><br><b>Agriculture,</b> Land Reforms, and peasant emancipation, East and West; post-1870 advances in agrarian technology, agricultural, and industrial development.  |

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings   | LECTURE TOPICS TO BE COVERED  |
|----------|-------------|--|---|
| 18.      | 23.         | <p><b>16 February 2011</b></p> <p><b>Trebilcock</b>, ch. 2 (pp. 92-106); <b>Landes</b>, pp. 205-10; ch. 5 (passim);</p> <p><b>Broadberry I</b>, ch. 3, 8;<br/> <b>Broadberry II</b>, ch. 2, 3<br/> <b>ET no. 8</b></p> | <p><b>GERMANY: 1815-1914</b></p> <p><b>Banking</b> and Financial Institutions; the ‘D’ Banks and Investment Banking; the German Reichsbank.</p>   |
| RW       |             | <p><b>23 February 2011</b></p>   | <p><b>READING WEEK:</b></p> <p><b>no classes</b>, during the week of 21 - 25 February 2011</p>  |
| 19.      | 24.         | <p><b>2 March 2011</b></p> <p><b>Trebilcock</b>, ch. 2 (pp. 92-106); <b>Landes</b>, pp. 205-10; ch. 5 (passim);</p> <p><b>Broadberry I</b>, ch. 3, 7;<br/> <b>Broadberry II</b>, ch. 2, 3<br/> <b>ET no. 8</b></p>     | <p><b>GERMANY: 1815-1914</b></p> <p><b>Industry:</b><br/> a post-1850 ‘industrial takeoff’ with coal, iron, and railways?</p> <p>The post-1870 leap to industrial hegemony: the steel, chemical, and electrical industries;</p> <p>The state, cartels and heavy industry.</p> |

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings   | LECTURE TOPICS TO BE COVERED   |
|----------|-------------|--|--|
| 20.      | 25a.        | <b>9 March 2011</b><br><br><b>Trebilcock</b> , ch. 2, 4;<br><b>Landes</b> , ch. 5 (pp. 249-301);<br><b>Broadberry I</b> , ch. 6;<br><b>Broadberry II</b> , ch. 2, 3<br><b>ET no. 8</b> | <b>RUSSIA: 1815-1914</b><br><br><b>Barriers to Growth;</b><br><br><b>Agriculture:</b> Part I: the Abolition of Serfdom, and its Consequences (1861):<br><br><b>Agriculture:</b> Part II: Poland, the Baltic, Ukraine, and Russia after Emancipation; the Mir-Obshchina system; |
| 21.      | 25b.        | <b>16 March 2011</b><br><br><b>Trebilcock</b> , ch. 2, 4;<br><b>Broadberry I</b> , ch. 6;<br><b>Broadberry II</b> , ch. 2, 3<br><b>ET no. 8</b>  | <b>RUSSIA: 1815-1914</b><br><br><b>Agriculture:</b> Part III: further agrarian reforms, 1885-1910; Costs and Benefits of agrarian reforms.<br><br><b>The Gerschenkron model and its critics (Gregory)</b>  |
| 21.      | 26.         | <b>16 March 2011</b><br><br><b>Landes</b> , ch. 5 (pp. 249-301);<br><b>Broadberry I</b> , ch. 3, 7;<br><b>Broadberry II</b> , ch. 2, 3<br><b>ET no. 8</b>                              | <b>RUSSIA: 1815-1914</b><br><br><b>Railways and Russian industrialization.</b>   |

| Week no. | Lecture no. | Wednesday Dates and Suggested Readings   | LECTURE TOPICS TO BE COVERED  |
|----------|-------------|--|---|
| 22.      | 27.         | <b>23 March 2011</b><br><br><b>Trebilcock</b> , ch. 4, pp. 219-47, 271-85;<br><b>Broadberry I</b> , ch. 3, 8;<br><b>Broadberry II</b> , ch. 2, 3<br><br><b>ET no. 8</b>                        | <b>RUSSIA: 1815-1914</b><br><br><b>Banking:</b> Gosbank, the gold ruble, and foreign investments; the Russian investment boom of 1906-1914.   |
| 22.      | 28.         | <b>23 March 2011</b><br><br><b>Trebilcock</b> , ch. 4, pp. 219-47, 271-85;<br><b>Broadberry I</b> , ch. 3, 7;<br><b>Broadberry II</b> , ch. 2, 3<br><br><b>ET no. 8</b>                        | <b>RUSSIA: 1815-1914</b><br><br><b>Industry:</b> coal, iron, steel; industrialization of Ukraine; the new petroleum industries.<br><br><b>The Russian Industrial Economy on the eve of World War I</b>  |
| 23.      | 29.         | <b>30 March 2011</b><br><br><b>Mathias</b> , ch. 15 (esp. 361-97); <b>Landes</b> , ch. 5.<br><b>Broadberry I</b> , ch. 4, 5, 6;<br><b>Broadberry II</b> , chs. 1-4<br><br><b>ET nos. 9 -10</b> | <b>GREAT BRITAIN, 1870-1914:</b><br><br><b>The ‘Great Depression’</b> debate; deflation, inflation, interest rates, and foreign trade.<br><b>The ‘Industrial Retardation’</b> debate;<br><b>Investment Banking and Overseas Finance, 1860-1914.</b> |

| <b>Week no.</b> | <b>Lecture no.</b> | <b>Wednesday Dates and Suggested Readings</b>  | <b>LECTURE TOPICS TO BE COVERED</b>  |
|-----------------|--------------------|--|--|
| 24.             | 30.                | <b>6 April 2011</b><br><br><b>Mathias</b> , ch. 15; <b>Landes</b> , ch. 5;<br><b>Trebilcock</b> , chs. 1, 6 (skim read)<br><b>Broadberry I</b> , ch. 4, 5, 6;<br><b>Broadberry II</b> , chs. 1-4<br><br><b>ET nos.</b> 9, 10 | <b>GREAT BRITAIN, 1870 - 1914:</b><br><br><b>Industry:</b> Problems of the Old Industries: Coal, Iron, Steel, and Cottons; Advances and Setbacks in the New Industries: Consumer Goods, Electrical, Chemical, Automobiles. Aspects of British economic hegemony in 1914, on the eve of World War.<br><br><b>Course review</b> for the final examination. |

**LAST DAY OF CLASSES: THURSDAY, 7 APRIL 2011**

All term work must be submitted by this date, at the latest.

Final Examinations begin on Monday, 12 April, and end on Friday, 29 April 2011.