[Syllabus in English]

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| **科目名（Subject）**  **◆必須入力（compulsory input）** | Energy Economics (PPP) |
| **担当者名（Instructor）**  **◆必須入力（compulsory input）** | Yoshiki Ogawa |
| **開講学期・曜日時限（Schedule）**  **◆必須入力（compulsory input）** | Fall Semester  Saturday, 1st period |

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| 【サブタイトル（Sub-Title）】  　○任意入力（arbitrary input） （全角100字以内） |
| -- Energy problems and their measures, how to consider the relation with PPP -- |

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| 【講義の目的・内容（Course Purpose and Content）】  　◆必須入力（compulsory input）（全角1,000字以内） |
| Entering 21st century, various energy and economic problems such as abnormal oil price hike, energy supply security and global warming has been highlighted and the settlements of these problems are required definitely.  The purpose of this lecture is to discuss what kinds of measures could be adopted as for these energy and economic problems and to discuss how we could evaluate the implementation of these measures from the viewpoint of PPP (Public private partnership). We also would like to discuss theories related to energy economics by introducing case examples. |

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| 【学修到達目標（Learning Objectives）】  　◆必須入力（compulsory input） （全角600字以内） |
| Learning objectives of this lecture are that members of class master thinking and dealing ways based on Energy Economics.  Members of class are expected to reach the following goals:  (1) They can explain detailed contents of energy and economic problems dealt in the lecture, from the viewpoint of perception.  (2) They can express their own opinions in the discussion, especially in the two report presentations and discussions while grasping other opinions, from the viewpoint of attitude.  (3) They can apply theories and ways dealing problems learned in the lecture to their report works, from the viewpoint of technique. |

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| 【講義スケジュール（Lecture Schedule）】  ◆必須入力（compulsory input）（全角2,000字以内） |
| The instructor will pick up about 10 topics relating to energy and economic problems and will explain to members of class and discuss with them as for each topic step by step. The presentations and discussions on the specific subjects required to members of class also will be made in the course.  No. 1 Stable supply of energy (energy security) and special cares  No. 2 Existing energy tax system in Japan  No. 3 Pricing mechanism of energies (Addendum: resource problems on fossil fuels)  No. 4 Presentations and discussions on the first report subject  No. 5 Deregulation in energy industries (1) oil and gas industry  No. 6 Deregulation in energy industries (2) power industry  No. 7 Deregulation in energy industries (3) to BTU industry  No. 8 Supporting system for renewable energies (1) RPS and green certificate  No. 9 Supporting system for renewable energies (2) FIT  No. 10 Presentations and discussions on the second report subject  No. 11 Supporting system for energy savings  No. 12 Energy and eco-town (1) case example on biomass town  No. 13 Energy and eco-town (2) case example on smart community  No. 14 Presentations and discussions on the final report subject (1) First group  No. 15 Presentations and discussions on the final report subject (2) Second group |

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| 【指導方法（Instructional Method）】  　◆必須入力（compulsory input）（全角1,000字以内） |
| The instruction is given in Japanese. Handouts prepared by the instructor will be distributed to members of class in the lecture. The lecture by the instructor will be made for about one hour using handouts. The lecture also includes presentations and discussions on specific subjects given to members of class in advance. Session for questions and answers are prepared in each class using remaining about 30 minutes.  Handouts will be also available via the Web system (Toyonet-Manaba). Members of class need to read them thoroughly before the lecture and to join discussions in the lecture.  In the lecture, discussions on issues provided in advance, reports on specific subjects and final report will be made, members of class need to provide their opinions by thinking thoroughly in advance and make their presentation by reviewing thoroughly after the fact. |

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| 【事前・事後学習（Supplemental Individual Study）】  　◆必須入力（compulsory input）（全角1,000字以内） |
| All members are expected to:  (1) read thoroughly the handout of lecture provided on Toyonet-Manaba one week before lecture  (2) consider several issues provided on Toyonet-Manaba one week before lecture.  (3) perform two intermediate reports and the final report on a specified subject offered in the course.  The time required is about 1 and 2 hours/each study. |

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| 【成績評価の方法・基準（Grading Criteria and Method of Evaluation）】  　◆必須入力（compulsory input） （全角600字以内） |
| Students' proficiency and level of understanding are evaluated in accordance with the university's regulations using the following four components:  (1) Discussion status in each class: (20%)  (2) Two intermediate reports on topics offered in the course: (40%)  (3) Final report at the end of the term: (40%) |

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| 【受講要件（Requirement of Attendance）】  　◆必須入力（compulsory input）（全角1,000字以内） |
| No specific requirements. |

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| 【テキスト（Textbooks）】  　◆必須入力（compulsory input） （全角600字以内） |
| No specific textbook.　Handout materials created for each lecture will be distributed. |

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| 【参考書（Reference Books）】  　◆必須入力（compulsory input） （全角600字以内） |
| Kenichi Matsui, “Energy Problems,” NTT shuppan, 2010 (\2,415)  Taishi Sugiyama et al, "Theory on Energy Conservation Policy – Effectiveness on Energy Conservation Methods in Factories and Business Offices ," Energy Forum Co., 2010 (\3,150).  Tetsuya Iida, "Market on Natural Energies – Aspects on New Energy Society--," Tsukiji Shokan, 2005 (\2,940).  Masu Uegusa, "Revolutions in Energy Industries,” NTT Shuppan, 2004 (\3,990) |

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| 【関連分野・関連科目（Related Fields and Subject）】  　○任意入力（arbitrary input） （全角600字以内） |
| Environmental Economics, Microeconomics, Public Economics, Welfare Economics,  Theory on Policy Evaluation, Theory on Financial Policy,  Theory on Environmental Public Projects |

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| 【備考（Note）】  　○任意入力（arbitrary input）（全角1,000字以内） |
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| 【添付ファイル（Attachment File）】  　○任意入力（arbitrary input）（３点以内） |
| 【添付ファイル１（File No.１）】  【添付ファイル２（File No.２）】  【添付ファイル３（File No.３）】 |

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| 【リンク（URL Links）】  　○任意入力（arbitrary input） |
| （記入欄） |