

科目ナンバリング									
授業科目名 <英訳>		Energy and Environmental Issues in Asia Pacific-E2 Energy and Environmental Issues in Asia Pacific-E2				担当者所属 職名・氏名			
群	統合科学科目群			分野(分類)	環境		使用言語	英語	
旧群		単位数	2単位	時間数	30時間	授業形態	講義（対面授業科目）		
開講年度・開講期	2025・前期集中		曜時限	集中		配当学年	主として1・2回生	対象学生	全学向
[授業の概要・目的]									
<p>Environmental ramifications of hydrocarbon based energy system have redefined the energy security debate. It has moved Energy beyond the conventional security perspective. While countries do look at energy in terms of supply-demand security, at systemic level the issues have become much larger. With local economies becoming part of global production network, the local energy consumption no more remains local, on the contrary it becomes part of global energy consumption. Thus changing production network is impacting on national energy balance and ecosystem. With energy and environment moving to global common, the power dynamics is redefining the relations among the nations. The objective of the course is to understand complex linkages between energy and environment both in terms of tension between energy poverty and 'energy security' and limit and limitation of energy resources in mitigating energy poverty at national and global level. The course looks into the emerging thrust of energy - environment linkages at a global scale as well as on bilateral and multilateral relations between and among the nations.</p>									
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<p>On completion of the course students should be able to:</p> <ul style="list-style-type: none"> <li>- Understand the energy policies of developing economies in the Asia Pacific region</li> <li>- Understand the key nuances of energy transition debate in Global East;</li> <li>- Develop an understanding on the key linkages between energy and environment and the challenges faced by countries in the Asia-Pacific</li> </ul>									
[授業計画と内容]									
<p>Topics for classes, format and details: 15 classes will be divided among 5 days between 6th and 10th of August. Each day will be divided into three slots and will have class lecture, test/case study and group presentations.</p> <p>1. Energy Security in Global Market (3 classes) [This topic will cover discussions on energy security perception. The fundamental questions of what is energy security and how is it defined in different geographical contexts, will be covered. The class will also address related issues such as role of hydrocarbons in the global order and how energy has been seen as a ‘ national security concern ’ ]</p> <p>2. Energy Transition (3 classes) [This class will focus on process of energy transition more from an ‘ energy history ’ perspective with the aim of introducing the concepts of transition. The changing perception of energy security and the debates in the current period will be discussed. How far the energy security debates have changed over time from a conventional energy security perception to more of an energy-environment based debate will also be discussed.]</p> <p>3. Energy and climate in global east (3 classes) [This discussion will focus on energy and climate issues in the global east, with specific focus given to major economies. Discussions will include questions about what is</p>									
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climate change and how is it linked with energy. Students will also be introduced the key institutions and literature on global climate change]

4. India's Energy Policy (3 classes) [This class will focus on India ' s energy policy. The objective is to highlight how Asian perception of energy security is fundamentally different from Anglo-Saxon perception. This discussion will also discuss about the climate change and how far positions of different countries in the international platform changes according to their national priorities, etc will be discussed here. The climate positions of India will also be discussed here.]

5. Low Carbon Development (2 classes) [This will include basic information on low carbon development in different geographical contexts. The discussion be aimed at understanding low carbon energy mix and the cleaner fuel options. The contents of the class will also explore the policy challenges as well as implementation challenges to low carbon development.]

6. End of the course feedback and assessment (1 class)

#### **【履修要件】**

Background in humanities and social sciences, international studies, politics, history and economics will be preferred, but not necessary. Basic knowledge of using Microsoft Office (Word, Excel & PowerPoint) will be of use.

#### **【成績評価の方法・観点】**

Teaching methods and approaches (A day ' s classes will be divided into three slots)

Slot 1. Class Lecture (1.5 hrs): The Instructor will deliver lecture based on the points described in the corresponding day ' s lecture topic. Presentation, subject oriented video clippings and pictures will be used as appropriate for the theme of discussion. Students are free to ask questions during the class and are encouraged to participate in discussions around the topics of lecture.

Slot 2: Test / Case Study (1.5 hrs): A common case study will be provided to student groups to make a written assessment. The students will be divided into 5 or 6 groups (based on the number) and will be asked to work on the case study and make their inputs in a specific format. Alternatively, in the absence of case study, students will be given a short test based on the lecture provide in the Slot 1. This will be followed by a short discussion to clarify any questions and doubts.

Slot 3. Group Presentation (1.5 hrs): Student groups will be provided different themes for group presentation, based on which they can prepare presentation points. Students are free to use PowerPoint slides if required. The groups will then be advised to make a group presentation where each of the students are encouraged to contribute.

In addition to the above, on the last day of course, and end of the course review and feedback will be conducted.

#### **【教科書】**

使用しない

#### **【授業外学修（予習・復習）等】**

Class discussion will be encouraged. Prepare for guided class discussion based on materials provided.

Note: Portions of several text books and articles need to be covered. Hence a separate reading list is attached. More specific reading list according to each leacture day will be developed and provided once the assignment is finalized.

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【その他（オフィスアワー等）】

All class lectures will be held in the classroom.

Power points presentations will be used for lectures

Students are expected to participate in guided discussions (will be divided into different groups and requested to initiate discussions)

【主要授業科目（学部・学科名）】