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JEE 621: Energy Economics
The Joint Graduate School of Energy and Environment (JGSEE) Students
The Second Semester of Academic Year 2019 (13th January 2020– 15th May 2020)
Tuesday 13:30-16:30, Reading Room 3th Floor

Lecturers

Dr. Athikom Bangviwat

The Joint Graduate School of Energy and Environment (JGSEE), KMUTT.

Email: athikom.bangviwat@outlook.com

Assoc. Prof. Dr. Jaruwan Chontanawat

Room SOLA 825, Department of Social Sciences and Humanities, School of Liberal Arts, KMUTT.

Email: j.chontanawat@gmail.com, Jaruwat.Cho@mail.kmutt.ac.th

URL: <http://arts.kmutt.ac.th/sola/jaruwan/>

Lectures

Start on 14th (Tuesday), January, 2020, 13.30-16.30.

Textbook

Eden, R., Posner, M., Bending, R., Crouch, E., Stanislaw, J. (1981). [Energy Economics : growth, resources and policies](#). (1st Edition), Cambridge University Press, UK.

Additional reading

Evans, J. & Hunt, L. C. (Eds.) (2009) [International Handbook on the Economics of Energy](#), Cheltenham, UK: Edward Elgar, September 2009, 831 pages, ISBN 1-84720-352-6.

Banks, F.E. (2000) [Energy Economics: A Modern Introduction](#), Kluwer Academic Publishers.

Begg, D. (2003) [Foundations of Economics](#), (2nd Edition), McGraw-Hill, London.

Begg, D. (2006) [Foundations of Economics](#), (3rd Edition), McGraw-Hill, London.

Begg, D. (2009) [Foundations of Economics](#), (4th Edition), McGraw-Hill, London.

Nordhaus W. D., Samuelson P. A. (2010) [Economics](#), (19th Edition), McGraw-Hill, New York.

Some Useful Web-sites:

<http://www.eppo.go.th/> (Energy Policy and Planning Office, Ministry of Energy)

<http://www.dede.go.th> (Department of Alternative Energy and Development and Efficiency, Ministry of Energy)

<http://www.nesdb.go.th/>. (Office of the National Economics and Social Development Board)

<http://www.onep.go.th/> (Office of National Resources and Environmental Policy and Planning, Ministry of Natural Resources and Environment)

<http://www.bot.go.th/> (Bank of Thailand)

<http://www.iea.org/> (International Energy Agency)

<http://www.eia.doe.gov/>. (Energy Information Administration, Official Energy Statistics from the U.S. Government)

<http://www.bp.com/>. (British Petroleum Plc)

Tentative Teaching Schedule:

Week	Date	Topic	Lecturer
1	Tue. 14 Jan 2020	Introduction to Economics/ Basic Economic Concepts	Jaruwan Chontanawat
2	Tue. 21 Jan 2020	Micro Economics (I)	Jaruwan Chontanawat
3	Tue. 28 Jan 2020	Micro Economics (II)	Jaruwan Chontanawat
4	Tue. 4 Feb 2020	Macro Economics (I)	Jaruwan Chontanawat
5	Tue. 11 Feb 2020	Macro Economics (II)	Jaruwan Chontanawat
6	Tue. 18 Feb 2020	Energy Balance and Statistics	Jaruwan Chontanawat
7	Tue. 25 Feb 2020	Energy Demand: theory and measurement	Jaruwan Chontanawat
8	Tue. 3 Mar 2020	Mid Term Examination	Jaruwan Chontanawat
9	Tue.10 Mar 2020	Energy security and planning	Athikom Bangviwat
10	Tue.17 Mar 2020	International oil market	Athikom Bangviwat
11	Tue.24 Mar 2020	International gas market	Athikom Bangviwat
12	Tue.31 Mar 2020	Electricity and Gas/ Energy networks	Athikom Bangviwat
13	Tue.7 April 2020	Externality	Athikom Bangviwat
14	Tue.21 April 2020	Energy policy	Athikom Bangviwat
15	Tue.28 April 2020	Student Presentation	All lecturers
16	Tue.5 May 2020	(No class – students prepare for the exam)	
17	Tue.12 May 2020	Final Examination	Athikom Bangviwat

Assessment: Course Evaluation (100%)

Examination 80 %

Technical Report & Presentation 20 %

The formal Assessment will be made by an 3 hours-exam in the mid-term examination on week 8th and the final examination on week 17th of the second semester of the academic year 2019.

Dr. Athikom Bangviwat & Dr. Jaruwan Chontanawat (Module Co-ordinators)
13th January, 2020.