Course code: Earth Economics

Programme: B. Tech. Year: 2020-21 Semester: Summer
Course: Other Elective [MOOC] Credits: Three Hours:

Course Context and Overview: Earth Economics offers a completely new angle to policy analysis by its focus on the truly global level and its empirical orientation on very recent data. Sustainability (environmental and related to the UN's SDGs), equality and heterodox views on the economy are important for an Earth Economist. Taking stock of emerging planet data and analyzing policies during and following the Global Crisis, Earth Economics provides both a topical introduction into basic economic tools and concepts as well as insights in highly relevant problems and recent developments in planet production, growth and governance.

Prerequisites Courses: Economics for Engineers (EFE)

Course outcomes (COs):

On completion of this course, the students will have the ability to:
CO1 understand why we need Earth Economics in addition to traditional macroeconomics.
CO2 apply macroeconomic tools on environmental issues.
CO3 analyze recent developments in planet production, growth and governance.

Course Topics:

Topics	Video Lecture Hours
UNIT – 1: Earth economics: A new and necessary approach	
a. Introduction 'What on Earth is Earth Economics?'	2
UNIT – 2: Accounting for fluctuations in the Earth economy	6
a. Gross Planet Product (GPP) and Planet Accounting b. Business Cycle and Secular Stagnation c. Why does Earth's Unemployment fluctuate?	
UNIT – 3: Investment and Saving	4
a. Equilibrium and stability: Good or bad? b. Do we invest what we save or do we save what we invest? c. How we get richer by spending: Consumption and multiplier d. A model for the Earth Economy	

UNIT – 4: Government and the Earth Economy	4
a. Government, spending and taxation b. Deficits and Debts: Is the IMF in denial? c. Money Matters	
UNIT – 5: Money and Earth Economic Equilibrium	2
a. The return of the liquidity trap b. The Missing Link: Demand side equilibrium c. Puzzling disagreement	
UNIT – 6: Long Run Challenges	3
a. Supply and the structural reform: Completing the Earth Economic Model b. The Long Run: How to escape from poverty and middle income traps c. How can we govern the Earth Economy?	
Contact hours	10

Resources: This course is MOOC based. It can found in Coursera.
(https://www.coursera.org/learn/earth-economics)

Evaluation Methods:
Those who will complete the peer-graded assignments of the Coursera and earn a certificate after the completion of the course will be waived off from the mid-term examination. Their Coursera grades will be considered accordingly for providing mid-term marks. For others, mid-term examination will be conducted. A comprehensive end-term exam will take place for all the students.

Evaluation component	Weightage
Quiz / Assignment	10%
Mid-term exam	30%
Project / Presentation	10%
End-term exam	50%

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