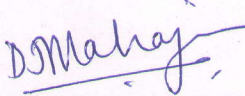


**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD
DEPARTMENT OF ECONOMICS**

M. A. (Economics) SYLLABUS

Course Code No.: ECO- 116	No. of Credits: 04	Semester: I
Course Title:	ENERGY ECONOMICS	
Course Objectives:		
<p>1) The student should be able to understand and analyse the theory of consumer behaviour, the determinants of consumer choices those involving risks, the theory of production and the theory of costs.</p> <p>2) The students should be prepared for further Courses / Units in Economics which require knowledge of Micro Economics.</p>		
Unit	Course Content	Periods
I	Introduction to Energy Economics: Natural Resources – Classification – Importance – Role of Natural Resources in Economic Development – Energy Resources – Types & Classification – Properties of Energy – Forms of Energy – Energy measures – Energy production & distribution – Energy Economics relation with other branches	15
II	Energy & Development: Role of Energy in Economic Development – Drivers of energy demand – Energy intensity & elasticity- Energy pricing – Basic pricing principles, peak load & seasonal pricing, concentration of energy supply & externalities – National & international comparison – Low middle & High income Economics – Role of international institutions – OPEC, OAPEC & World Bank.	15
III	Investment in Energy Resources: Economics of discount rate, Net present value, Benefit cost ratio, Payback period, Internal rate of return, cash flow analysis, private cost and social costs', Economic & financial analysis of energy technologies.	10
IV	Energy policies in India: Domestic requirements of energy, Key developments & changes in India's' energy policy in the context of energy efficiency & environmental concerns – Renewable energy programme – Energy under five year plans – National action plan on climate change	10
V	Energy & Environment: Energy crisis – Causes consequences – Remedial measures – Environmental crisis – Causes consequences – Remedial measures – Kyoto protocol – Role of energy & environmental economists in solving energy & environmental crisis.	10
Course Outcome:-		
<p>Student will able to know about various energy sources and policies of energy in India. Student will also able to know about the economic feasibility of energy sources.</p>		


Professor and Head,
Department of Economics
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.