

## Resolution of the Academic Council

The ICFAI Foundation for Higher Education, Hyderabad, in its 30th Academic Council meeting held on March 13, 2020, at Hyderabad, approved the following course effective from the Academic Year 2020-2021.

### Management of Natural Resources of Law

**Objectives:** The objective of the course is to provide inputs relating to various components of natural resources, relation between natural resources and living beings, the reasons for the gradual depletion of resources. It is also aimed to enlighten the students about the administration of natural resources, regulation of usage of natural resources and the framework of legislature and judiciary. It also aims to enlighten the students about sustainable development concept, policy and governance for conservation and restoration of natural resources.

**Course Outcome:** Students on the completion of this course will have comprehensive knowledge about the natural resources available on the earth. The student will get to know to identify, classify the natural resources. The students will also be well versed with the conventions and legislations about the natural resources at the international and national level. It also aims to enlighten the students about the administration, conservation, restoration and protection of natural resources through governmental policy and the judicial decisions. Students get awareness of different authorities and agencies working in the field of administration and protection of the natural resources in this field.

**Unit I: Introduction:** Evolution of the earth: Charles Darwin Theory - Existence of earth - Natural Resources Meaning and concepts. Composition and Classification of Biosphere – land, water, air, minerals, glaciers, perennial rivers - National and International Scenario –Need for administration of natural resources and economic importance.

**Unit II: International Scenario for the Protection and Conservation of Natural Resources:** Protection and Conservation of Natural Resources - Conventions on Natural Resources: Vienna Convention for the Protection of Ozone Layer, (1985), Protocol on Substances that deplete the Ozone Layer (Montreal 16<sup>th</sup> September, 1987), Kyoto Protocol to the UNFCCC, 1997, Convention on the Conservation of Antarctica Marine Living Resources 1980, United Nations Convention on the Laws of the Sea, (UNCLOS) 1982, IUCN Red Listing process for Conservation and Categorisation- land and forest. Conservation and Sustainable Development of all types of Forest 1992, Basal Convention on the Control of Trans-boundary Movements of Hazardous wastes and their disposal, Convention on Nuclear Safety Transnational Environmental Policies - India and its Neighbouring Countries.

**Unit III: Policy and Strategy - Before and After Independence:** Early environmental legislation - Environmental Policy in 1970's, liberalisation and economic approaches, Solar Power Policy, Water policy, Land Pooling Policy, Reports of the Law Commissions, Natural Resource Efficiency Policy, 2019 (Draft)



**Unit IV: Legislative framework:** Constitutional Provisions: Fundamental Rights, Fundamental Duties, Directive Principles of State Policy - Environment legislations: Environment Protection Act, 1986, Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, Mines and Minerals (Development and Regulation) Act 1957 r/w latest amendments, Biodiversity Act, 2002, Forest Rights Act, 2006, Atomic Energy Act, 1962 - Geospatial Science for Environment– Basics of Remote Sensing: electromagnetic radiation, radiation laws, platforms and sensors, IUCN Red listing process for conservation categorization – land and forest, Ozone Depletion Substances (Regulation and Control) Rules, 2000, Administration of natural resources Education program development.

**Unit-V: Importance and Impact of Natural Resources:** Importance of different components: Energy and mineral resources, forests, water, ozone layer Air waves - utility of natural resources as a catalyst in Indian scenario - The impact: indiscrete use of natural resources - depletion of the resources, industrialisation, population explosion, over consumption of fossil fuels, deforestation, mining of minerals and oil, soil erosion--Renewable Resources - Perpetual resources versus exhaustibility.

**Unit VI: Regulatory and Preventive Measures:** Authorities constituted under law -Judiciary and administration of natural resources, Legal Principles: Precautionary Principle, Absolute Liability, Polluter Pays Principle, Doctrine of Intergenerational Equity, Public Trust Doctrine - NGT and its salient features - Community Conservation and Rural Development, Administration of natural resources, Education Programme Development.

**Unit VII: Sustainability of Natural Resources:** Alternative to Natural Resources: Renewable and non-renewable resources (Land, Water Air, Fossil Fuels, Minerals) - Sustainable Development: Moratorium on excess usage, comprehensive integrated development of multiple natural resources - Promoting Sustainable Development - common property resources, carbon trading, economic and financial incentives - Environment Information System (ENVIS) Six R's principle – reduce, reuse, recycle, refurbish, redesign, remanufacture. Natural Resource Efficiency Authority, 14000 Series, ESM.

**Unit VIII: The Disaster Management:** Disaster Management: Nature, Need, Meaning, national and international - Disaster Management Act, 2005, Policy and Rules (2010), NDMA guidelines, Authorities and agencies for Disaster Management - Disaster Management Action plan: conservation of natural resources--Natural Calamities - Drought, Flood, Earthquake, Volcano's, Forest Fires, their constitution, composition, tenure and functions., UN: Disaster Management and Coordination, disaster assessment and coordination team (UNDAC).

**NOTE:** Students may be given an assignment to study about the natural resources available within the University Campus / in any nearby village.

#### **Field work**

Documentation of natural resources available in the nearby villages.

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Dr. P. Ravisekhara Raju  
Director, ICAFI Law School

**Director**  
**ICFAI Law School**  
**IFHE Hyderabad**

