

# BIOPOLITICS – THE BIO-ENVIRONMENT – BIO-SYLLABUS

**A Volume for a Model Global Bio-Education  
Promoted by the International University for the Bio-Environment  
Athens, 1992**

Since its inception in 1985, the Biopolitics International Organisation has been raising awareness of the urgent need for global bio-educational reforms, which resulted in the formulation of a bio-syllabus outline to be used for the implementation of biocentric concepts in all academic disciplines. A comprehensive *Bio-Syllabus* was published by the B.I.O. in 1992. The B.I.O. *Bio-Syllabus* is used as a major textbook in many universities around the world and is available in English, Russian and Greek.

*Sponsors:* Ministry of Foreign Affairs; Gerasimos Vasilopoulos; A.G. Leventis Foundation; Hellenic Industrial Development Bank; American College of Greece; Duni AB, Halmstad; H. Benroubi & Son S.A.; ELAIS S.A.; S.C. Johnson & Son Hellas Ltd.; ICI Hellas S.A.; Bayer Hellas S.A.; EKO; Bank of Greece; Gregory Demakos; Phoenix General Insurance Co.; Alusuisse Lonza Holding Ltd.

## *I. The Quest for Bio-Ethical Values*

### ***Bio-Ethics***

- Bio-Environmental Rights
- Bios Rights as Related to Bio-Ethics
- Animal Research and Bio-Ethics
- Human Embryo/Fetus: Bio-Ethical Implications
- Bio-Ethics in Relation to Artificial insemination and Fertilisation
- Death and Euthanasia
- Human Organs and Tissue in Terms of Bio-Ethics

### ***Bio-Legislation***

- Bios Rights
- Bio-Environment and the Enactment of Bios Rights
- Cleaner Production Concepts
- Pollution Prevention: Impact on Legislation
- Making the Polluter Pay
- Long Term Thinking in Relation to the Bio-Environment
- Legislation on Genetic Engineering and Bio-Medical Issues
- Impact of Biotechnology
- The Distinction Between Environmental Law and the Biopolitics Approach

### ***Bio-Business***

- Establishing World-Wide Economic Stability
- Introducing Environmentally Friendly Industry
- Sustainability Concept
- Improving Agriculture for the Benefit of the Bio-Environment
- Establishing Waste-Free Production Cycles
- Introducing Ethical Dimensions in Bio-Business
- New Lifestyle and Bio-Business
- Addressing the Public at Large

### ***Bio-Technology***

- Methods of Bio-Technology
- Applications of Bio-Technology
- Genetic Engineering
- Human Genome Project

- Ecosystem Bio-Technology
- Bio-Technology and Biopolitics Centres
- The Interface of Biological Science and Business
- Impact of Bio-Technology on Economic Infrastructure
- Biopolitical Dimensions of Bio-Technology

#### ***Bio-Energy***

- Bio-Energetics and Bio-Energy
- Methods of Technical Bio-Energetics
- Application of Ecosystem Bio-Technology for Bio-Energy Production

#### ***Bio-Communications***

- Developing Computer Based Idea Banks on Biopolitics
- Promoting Biopolitics through Mass Media
- Use of Satellites in Bio-Communication
- Bio-Sensors
- Bio-Computers
- Imitating Sense Organs in Technology

#### ***Bio-Theology***

- Bios as the Sacred Gift
- Religion and the Unity of Bios
- The Relationship between Biopolitics and Religion
- The Buddhist Attitude
- The Hinduist Attitude
- The Muslim Attitude
- The Hebrew Attitude
- The Christian Attitude

## ***II. The Quest for Bio-Cultural Values***

#### ***Bio-Culture***

- The Meaning of Culture from a Biopolitical Perspective
- Bio-Aesthetics
- Bio-Literature
- Bio-Culture and Creativity

#### ***Bio-History***

- Bio-Environment Humankind Interactions in History
- Biological Influences in Human Society
- Bio-History and Educational Reforms

#### ***Bio-Architecture***

- Bios Patterns and Images in Architecture and Design
- The Biological Basis of Aesthetics: New Dimensions in Architecture
- Employment of Bio-Materials
- Urban Design and Global Planning

#### ***Bio-Mathematics***

- Macrocosmos and Microcosmos
- Bio-Mathematics and Bio-Education
- Methodology of Bio-Mathematical Models
- The Bio-Environment as a Dynamic System
- Probability and the Bio-Environment: Dynamic Equilibrium and Evolution
- Limits of Bio-Mathematics

#### ***Bio-Athletics***

- Sports Involving Bios
- Reorganisation of the Olympics on the Basis of Bios Values

#### ***Bio-Diplomacy***

- Main Bio-Environmental Issues in Bio-Diplomacy

- Organisational Matters Relevant to Bio-Diplomacy
- Importance of Long-Term Thinking in Bio-Diplomacy
- Body of Humanity - Body of Bios

### *III. Fundamentals of Biological Knowledge*

#### ***Fundamentals of Biology***

- The Fundamentals of Biological Knowledge
- Classification of Living Organisms
- Chemicals
- Nucleic Acids and Genetic Information
- Cells
- Multicellular Organisms
- Ecology
- Evolution