Education for Sustainable Development in TEI Curriculum: Cases from Chulalongkorn University, Thailand

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Courses related to the concepts of SD had been launched for more than a decade for example, *Man and environment, Peace Education, Teacher and Community Development.*

In 1996, a new course *Education and Society* was added to the revised curriculum.

New courses *Environmental Education* (1999) and *Society and Education for Sustainability* (2004) were developed by the CEGE staff.

*R&D Centre on ESD* was establish (January, 2007)
ESD related courses for undergraduate students

8 ESD courses

Education and Society
Man and Environment
Society and Education for Sustainability*
Environmental Education
Peace Education
Teacher and Community Development
Environmental Conservation
Vision in Basic Education*
Other 8 courses integrated the concepts of ESD

Education Philosophy
Thai Wisdom and Non-formal Education
Community Study
Dhamma, Nature and Education
Population Education
Learning Through Community Service in Elementary Education
Service Learning in Elementary Education
Developing Learning Resource for Informal Education
Education and Society

Course Description
Studying about roles and importance of education in social development according to the educational reform, educational philosophy, conceptual framework of society and culture related to education, the relationship between education and social development through case studies that reflect roles of education to solve problems about economic, culture, values, politic, science, technology and environment including analysis of educational trends and propose educational strategies to solve problems
Man and Environment

Holistic Approach

Humanities

Social Science

Science
Content (before revision)

Man and Nature: Worldview and Perspectives

The Living Earth

Interdependent System

The Limit of Nature

Community, Culture, and Environment

Environmental Problems

Urbanization

Development: a new paradigm

Toward the Sustainability

Environmental Policy and Management
Content (after revision)

Man and Nature: Worldview and Perspectives
- The Living Earth
- Interdependent System
- The Limit of Nature

Community, Culture, and Environment
Society and Globalization

Environmental Problems and Management
- Water, Air, Soil, Land Use, Forest,
- Biodiversity, Sea and Coastal Area,
- Agriculture, Industry, Tourism,
- Pesticides, and Waste

Sustainability
Course Description
Social evolution, Social change and its factors, Impacts of social change on natural and man-made environment, Concepts of justice, equity, peace, democracy, conservation, appropriated development, and environmental management for sustainable society, Role of education as a tool for societal transformation to sustainability
Content

**Unit 1: Changing World**
1. Society: Its Structures and Functions
2. Globalization and Social Change
3. World in the Post-globalization (Economy and Politic)
4. World in the Post-globalization (Society and Environment)

**Unit 2: Sustainability and Thai Society**
1. Basic Principles of Sustainability
2. Concepts of Justice, Equity, Peace, and Democracy
3. Environmental Management and Development
4. Sufficiency Economy: Philosophy, Management and Lifestyle
5. Local Wisdom: Cases from Four Regions
6. Civil Society

**Unit 3: Education for Sustainability**
1. Basic Principles of Education for Sustainability
2. Role of Community in Education for Sustainability
3. Cases of Education for Sustainability
Environmental Education

Unit of Learning

1. Foundation of Environment and Sustainability
   - Basic Concepts of Ecology
   - Environmental Situation and Problem
   - Environmental Decision Making
   - Sustainable Development
   - Agenda 21 and the Earth Charter
2. Foundation of Environmental Education

Principles and Goals of EE
Integrating EE to School Curriculum
Instructional design in EE
Using a Natural Area and Community as an EE Learning Resource
Natural and Cultural Interpretation through EE Games and Activities
Assessment in EE
Whole School Approach for a Sustainable Environment
ESD Related Programs and Courses for Graduate Students

The Doctoral Program in Development Education since 1992
The Master Program in Development Education since 2000

Innovative graduate programs in Education:
1. multidisciplinary and interdisciplinary approaches to study on education focuses on Social Sciences and Humanities in Education
2. aiming at strengthening the power of education to national development focuses on critical issues develop strategies and actions
ESD related extra activities in the faculty

Community service club
Drama Club
One day workshop on ESD
Half day workshop on Teaching Life Skill
Special Lecture
Sustainability Film Festival
International Cultural Day
The Major Strength TE Curr. respect ESD

1. The concepts of SD and ESD are explicitly covered in the Curriculum’ aims and objectives.

2. A Variety of infused and integrated subjects related to ESD with different approaches including existing courses, specific courses and separate training workshops

3. The instructional design concentrated on research-based learning, self-directed inquiry, fieldwork, case study, participatory learning and service learning
4. Addressing wider **global issues** while **local issues** and concerns are considered in the teaching and learning?

   e.g. Sustainability and Sufficiency Economy  
   Globalization and Localization  
   Hi-technology and Local Wisdom
Areas that can be improved, or better oriented, toward ESD

**Subject Courses**
- Environmental Education
- Peace Education
- Teacher and Community Development
- Society and Education for Sustainability

**Extra Activities for Student**
- Community Service
- Training
- Guest lecture
Steps can be taken to reorient these areas toward ESD

- Capacity building and team building
- Roles of R&D center on ESD
- In-house Learning Forum and ESD learning activities
- R&D project on related topics e.g. EIU, Integrating Sufficiency Economy to TEI curriculum
- Strenthening TEI network with ESD related activities and co-operation with ESD-net Thailand