Higher Education for Sustainable Development out of the Niche – the Module “Science and Responsibility”

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Leuphana Bachelor

LEUPHANA BACHELOR

Sem. 6
Complementary studies

Major

Minor

Leuphana Semester
Starting week

LEUPHANA BACHELOR
Structure of the „Leuphana Semester“

- "Science and History" for perspective and reflection
- "Science and Responsibility"
- "Science and its Methods" qualitative & quantitative
- "Science and its disciplinary boundaries" for the Major

LEUPHANA SEMESTER
What are current and tomorrow‘s problems and their solutions?

Interdisciplinary introduction to science
- Scientific discussion and research

University for civil society of the 21st century
- Sustainable development – making future

Collaborative and self-organised learning
- Project groups and Leuphana conference
Module „Science and Responsibility“ – an overview

Lectures
Tutorials
Study Letter „Sustainable Development“

Project Seminars framed by „Sustainable Development“

Leuphana Conference

Transfer of Knowledge
Generation of Knowledge
Presentation of Knowledge
Transfer of Knowledge: Lecture + Tutorial + Study letter

Contents:
- Introduction to sustainable development
- Central fields and strategies
- Concepts and agents
- Transdisciplinary global-change research

Examples:
- Strategies towards an ecologically and socially sound economy
  \textit{Jacob von Uexküll, World Future Council and Right Livelihood Award}
- Rio+20 and the Leuphana Sustainability Summit
  \textit{Prof. Dr. Harald Heinrichs, Institute for Environmental Communication, Leuphana University}
Generation of Knowledge: Projekt Seminar and its Challenges

Research projects on „Sustainable Development“
  ■ Exploratory and problem-based learning

Project seminars require projects / Seminar as learning community

Aim of the seminar
  ■ The Leuphana conference

Inter- and transdisciplinary approaches

Introduction to scientific working processes

Teacher’s function

Learning outcomes
  ■ scientific argumentation
  ■ collaborative research
  ■ responsibility for sustainable development
  ■ creative presentation skills
Presentation of Knowledge: The Leuphana Conference
Presentation of Knowledge: the Leuphana Conference

Project seminars: exchange
- „Tandem-Workshop“: two seminars have a shared session

Project seminar groups: presentation
- Project group session: presentation of project group results and defence
- Gallery Walk: presentation of project group results as exhibition

The individual students: engagement
- Arenas
- Essay discussion
- Perspectives dating
Project Report: Structure

Contents

Part A: Concept

1. Research question
2. Methodology
3. Structure, Chances and risks, expected results
4. Presentation

Part B: Presentation of results

5.a Results and Analysis
5.b Conclusion und Discussion
Exemplifying schedule of a project seminar (winter semester 2011/12)

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Grading and Evaluation

Lectures and tutorial:
Active participation in the tutorials and lectures
Writing a learning diary

Project seminars:
Presentation in the seminar (Rehearsal)
Project report (written contribution)
Presentation of project group work at the Leuphana conference

Leuphana conference:
Dialogue with another seminar
Active participation

10 Credit Points (CP) equals a workload of 300 h

- Lecture / tutorials: participation, self-organized learning, learning diary = 75 h
- Project seminar: participation (21h!), self-organized learning, project work = 150 h
- Leuphana conference: preparation, participation = 75 h
Key Elements of the Module „Science and Responsibility“

Lectures + Tutorials + Study Letter
Basic knowledge about sustainable development, description of problems, identification of challenges

Transfer of Knowledge

Project Seminars
Detailed work on a part of the overall issue of sustainable development

Generation of Knowledge

Leuphana Conference
Preparation and presentation of the project results, re-integration of sub-projects, overview

Presentation of Knowledge
Contact

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