COURSE DETAIL

BLUE SCIENCE - SOCIAL AND ECOLOGICAL RESPONSIBILITY ACROSS DISCIPLINES

Country
Germany

Host Institution
Technical University Berlin

Program(s)
Technical University Summer

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Environmental Studies

UCEAP Course Number
105

UCEAP Course Suffix

UCEAP Official Title
BLUE SCIENCE - SOCIAL AND ECOLOGICAL RESPONSIBILITY ACROSS DISCIPLINES

UCEAP Transcript Title
BLUE SCIENCE

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

Blue Science is a module that allows students to experience interactive university teaching and learning by dealing with their social and ecological responsibility in concrete and active ways. It came up as an transdisciplinary extension of the seminar Blue Engineering, which has been offered for over 10 years, promoting socially and ecologically responsible engineering through a variety of alternative teaching methods. Blue Science is open for students of all areas and backgrounds with an interest in technology. Science and its relation to technology, individuals, nature and society is reflected, analyzed and questioned in interdisciplinary discussions facilitated through diverse methods. Students are encouraged to think and learn independently and creatively, and therefore teacher-centered instruction does not occur in this module. Students acquire the competence to unveil the complex interdependency of their social, political, ecological and economic surroundings. This includes the consideration of different values, interests and needs within a global perspective as well as within one class(room). The course design encourages democratic decision-making not only to solve but also to define problems within the course itself and moreover outside of the classroom. By developing and carrying out their own teaching units, students are actively involved in the teaching process and co-create the course. This allows students to bring in their own areas of interest and to share their findings and points of view with others, creating learning material that may be used in future editions of the module.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
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Host Institution Course Details https://www.tu.berlin/international/summer-school/summer-school/summer-school-o…
Host Institution Campus TUBS
Host Institution Faculty
Host Institution Degree
Host Institution Department
Course Last Reviewed 2023-2024

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