Official course

ENGINEERING FOR
INTERNATONAL SUSTAINABLE DEVELOPMENT

ACADEMIC YEAR 2023 - 2024

PART II
PARTICIPATORY PROJECTS AND CONFLICTS MANAGEMENT

1. Lecturer:
Federica Maino, Gerardo de Luzenberger.

2. Training goals and expected learning achievements
The Module 1 of the Course "Engineering for International Sustainable Development" is divided into 2 Parts (I - Sustainable Development and International Cooperation; II - Participatory Projects and Conflicts Management). Part II **learning goals** are: 1. offer students both a theoretical framework and a practical "toolbox" to analyze local and international contexts, 2. understand and manage interventions that involve a variety of stakeholders, 3. promote sustainable development strategies and manage situations of social and economic conflicts.
Part II *expected learning outcomes* **can be summarised as follows:**
• to have a critical understanding of the context in which one is called to operate, with particular attention to the relationship between stakeholders and the environment;
• to carry out an analysis of conflict, with particular reference to the environmental ones, and experiment with some methods for managing them;
• to know a variety of participatory project management approaches and methods, with particular reference to those typically used in the field of sustainabile development in international contexts.

3. Programme:
the course is divided into 2 sections (see attached sheet).

4. Procedure:
a) lectures by the lecturers: b) readings or video projections; c) case studies and simulations.

5. Language:
the course is held entirely in English.

6. Study method:
Reading of lecture handouts and study/consultation materials made available by the lecturer, review of personal notes, systematic review with the teacher, targeted study of the recommended texts, individual and group-based applied work through programmed exercises and analysis of cases during lectures.

7. Learning assessment procedures:
Written and oral exam; the written test consists of a multiplechoice questionnaire; the oral exam consists of a dissertation on a practical case chosen from a shortlist proposed by the lecturer (in preliminary-session: in groups; in ordinary sessions: individual; evaluation based on three parameters: a) analytical skills, also taking into account the greater or lesser availability of data; b) design response capacity; c) exhibition capacity).
During the course, official intermediate tests or test simulations will be proposed, on the part of the programme up to then carried out (optional).

8. Recommended texts for the preparation:

- Lawrence E. Susskind, Sarah McKearnen, Jennifer Thomas-Lamar, The Consensus Building Handbook: A Comprehensive Guide to Reaching Agreement SAGE Publications, Aug 9, 1999
- Fisher R., Ury W., Patton B., L'arte del negoziato, Corbaccio 2005.
- Peggy Holman (eds), Tom Devane (eds), Steven Cady (eds), The Change Handbook: Group Methods for Shaping the Future, Berrett-Koehler Publishers 2007
- Owen H, Open Space Technology, A users Guide, Berrett-Koehler Publishers; 3rd edition 2008
- Podziba S., Chelsea Story. Come una cittadina corrotta ha generato la sua democrazia, Mondadori, Milano, 2006
- Sclavi M., Susskind L. E., Confronto creativo. Dal diritto di parola al diritto di essere ascoltati, Et al. editore, Milano 2011.
- Glasl F.(1999). Confronting Conflict. A First-Aid Kit for Handling Conflicts. Stroud: Hawthorne Press.
- Maino F., Favilli F., De Bortoli I. (2019) Conflict management toolkit for the ecological connectivity in the Alps. Publistampa Arti grafiche, Pergine Valsugana (TN) https://www.alpine-space.eu/projects/alpbionet2030/deliverables/eurac_alpbionet2030_toolkit_dic19_web.pdf

Further readings and summary sheets will be delivered in due course.

9. Duration:

40 hours (Part II), 80 ore (all the Course – Module I).

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PART II COURSE OUTLINE

PART II, SECTION I
PARTICIPATORY PROJECT MANAGEMENT

1. PARTICIPATORY PROJECT MANAGEMENT

1.1 What is project management
1.2 Traditional project management vs participatory project management
1.3 Examples of applications of participatory project management in different contexts and industries
1.4 Participatory techniques and approaches

2. PARTICIPATORY TECHNIQUES AND APPROACHES FOR STAKEHOLDERS' ENGAGEMENT

2.1 PCM - Project Cycle Management
2.2 ToP – Technology of Participation
2.3 Future Search Conference and Scenario Workshop
2.4 World Cafè, Open Space Technology
2.5 Liberating Structures, Design Thinking, Visual Thinking

3. DESIGNING AND IMPLEMENTING PROJECTS BASED ON PARTICIPATORY PROJECT MANAGEMENT

3.1 Techniques and tools for Stakeholders Mapping
3.2 Ground rules for designing a participatory project
3.3 Examples of participatory projects: Debat Publique, Local Development, River Management
3.4 The role and the Core Competencies of a Facilitator.

PART II, SECTION II
CONFLICT MANAGEMENT

4. INTRODUCTION TO CREATIVE CONFLICTS MANAGEMENT

4.1 Terminology
4.2 Conflict characteristics
4.3 SOS conflicts! Attitudes towards conflicts
4.4 Active listening

5. ENVIRONMENTAL CONFLICTS AND CONFLICT ANALYSIS TOOLS

5.1 Peculiarities of environmental conflicts, typologies, risks and opportunities
5.2 Traditional decision-making processes and inclusive decision-making processes
5.3 Conflict analysis, mapping, timeline, positions-interests-needs, sources of conflict, ABC analysis (Attitude, Behaviour, Contradiction).

6. PREVENTION AND MANAGEMENT OF CONFLICTS FROM LOCAL TO INTERNATIONAL LEVEL

6.1 Possible outcomes of a conflict
6.2 Multi-party conflicts
6.3 Comparison between Juditial method and ADR (Alternative Dispute Resolution)
6.4 Creative conflicts management