

CURSO	:	PLANNING FOR LOCAL SUSTAINABILITY IN A GLOBAL AGE
TRADUCCIÓN	:	Planificación para sustentabilidad local en una era global
SIGLA	:	VIL625
REQUISITOS	:	NO REQUIREMENTS
RESTRICCIONES	:	AUTHORIZATION BY AU (VILLARRICA CAMPUS)
CONECTOR	:	-
TIPO	:	WORKSHOP
CALIFICACIÓN	:	STANDARD (FROM 1.0 TO 7.0)
DISCIPLINA	:	URBAN AND REGIONAL STUDIES
PALABRAS CLAVE	:	SUSTAINABILITY, LOCAL PLANNING, LA ARAUCANÍA, ECOLOGICAL DESIGN, HUMAN ECOLOGY

I. DESCRIPCIÓN DEL CURSO

The purpose of this module is to explore the principles and practice of sustainability and sustainability planning. The module has a workshop form that combines reflection processes on the notion of sustainability with the development of a sustainability planning/design project (case study). Based on data collected in the module “Field methods for enquiring social-ecological systems”, the students will attend a particular socio-ecological problem and will have to plan/design practical solutions for it based on several sustainability principles. The module enhances the student’s capacity to integrate social and ecological dimensions of knowledge and the theory and praxis sustainability.

II. OBJETIVOS DE APRENDIZAJE

By the end of the term, students should be able to:

- Have critical understanding of the different epistemologies of sustainability and their effect in global and local policy and planning processes;
- Develop a multidimensional and scale-linking approach necessary to integrate and analyze socio-ecological issues related to a particular case-study;
- Acquire practical experience in applying the principles of sustainability planning/design in a particular socio-ecological system;
- Develop interdisciplinary and teamwork skills required for collaborative community communication and local praxis of sustainability.

III. CONTENIDOS

1. Sustainability and Sustainability Planning in a global era
 - 1.1. Short history and epistemologies of sustainability
 - 1.2. Principles of sustainability planning/design
 - 1.3. Localization process in a global era
2. Introduction to case study and diagnosis of its socio-ecological challenges
 - 2.1. Teamwork identification of socio-ecological challenges, map of stakeholders and local practices
 - 2.2. Diagnosis of local socio-ecological challenges through applied research methods (activity combined with a research proposal developed in the module “Field methods for enquiring social-ecological systems”).
3. Sustainability planning/design project
 - 3.1. Conceptual definition

- 3.2. Design of a general solution
- 3.3. Testing and evaluating the idea

IV. METODOLOGÍA PARA EL APRENDIZAJE

- Workshop
- Fieldwork
- Lecture

V. EVALUACIÓN DE APRENDIZAJES

- Essay (3000 word) = 30%
- fieldwork and project diagnosis and design = 40%
- Final project presentation = 30%

VI. BIBLIOGRAFÍA

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- Ehrenfeld, John R. *Sustainability by Design: a Subversive Strategy for Transforming Our Consumer Culture*. Yale University Press, 2008.
- Farley, Heather M., y Zachary A. Smith. *Sustainability: If it`s everything, is it nothing?* New York: Routledge, 2014.
- Flint, R. Warren. *Practice of Sustainable Community Development: A Participatory Framework for Change*. Springer, 2012.
- Foster, John. *The Sustainability Mirage: Illusion and Reality in the Coming War on Climate Change*. Routledge, 2012.
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- Hess, David J. *Localist Movements in a Global Economy: Sustainability, Justice, and Urban Development in the United States*. Massachusetts: MIT Press, 2009.
- Hester, Randolph T. *Design for Ecological Democracy*. 1ª ed. The MIT Press, 2006.
- Hopwood, Bill, Mary Mellor, y Geoff O'Brien. "Sustainable Development: Mapping Different Approaches". *Sustainable Development* 13, nº 1 (2005): 38–52. doi:10.1002/sd.244.
- James, Paul. *Circles of sustainability*. Abingdon: Routledge, 2015.
- Keiner, Marco. "Rethinking Sustainability". En *The Future of Sustainability*. Dordrecht, Holland: Springer, 2010.
- Orr, David W. *The Nature of Design: Ecology, Culture, and Human Intention*. New York, Oxford: Oxford University Press, 2002.

Roseland, Mark. *Toward Sustainable Communities: Resources for Citizens and Their Governments*. New Society Publishers, 2005.

Salazar, Gonzalo, y Seaton Baxter. "Towards an ecology of design praxis". *The Design Journal* 18, n° 3 (2015): 421–38.

Van der Ryn, Sim, y Stuart Cowan. *Ecological Design*. 1st ed. Washington: Island Press, 1996.

Wheeler, Stephen Maxwell. *Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities*. Routledge, 2004.

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