



Course Title	
	al education for sustainability – Insights from research
Lecturer	
Prof. Daphne (	Goldman
Semester	
2 <sup>nd</sup> , spring	
Course requi	rements
	all the classes and the field trip; reading requirements; conducting a short ( <u>&lt;</u> 10minute) peer-teaching) individually or in pairs on final project; one home assignment.
Final grade co	omponents
Final project 7	5%; short class presentation 15%; intermediate home assignment 10%.
Course sched	lule
Class no.	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction –Significant Life Experiences; Orientation to the course; The environmental crisis as a crisis of values and the role of environmental education. Bright, 2003; Pe'er, et al., 2013
2-4	Overview of ESE as an educational approach: Historical overview of ESE as an evolving field; aims, principles and characteristics of ESE; Connecting education to SDGs; Citizen science- converging science education and ESE [UNESCO-UNEP, 1978, 1990; UNESCO, 2017; Gough, 2002; Wals, 2009; Wals et al., 2014]
	Philosophical approaches to incorporating ESE in the educational system – Israel as a case study. The <i>whole school</i> approach to sustainability – EcoSchools / GreenSchools – achievements and challenges emerging from current research [ Heimlich, 1991; Goldman et al., 2018; Cincera and Krajhanzi, 2013; Gough, 2005]
5	Architecture as pedagogy, the building as a teacher – The Porter School building as a case study (critical tour of the building and home assignment) [Orr, 1993, 1997]
6	Consultation meetings on final project
7-8	Characterizing the citizen of a sustainable society – a mapping of selected frameworks: environmental literacy; eco-literacy (thinking like an ecosystem); ecological literacy; environmental citizenship [ Capra, 1996; Cao, 2015; Dobson, 2007; Hadjichambis & Reis, 2020; Orr, 1992]
9-10	The behavioral gap – the challenge of changing behavior: what research is teaching us about the impact of ESE on learner outcomes; models developed within psychological and social research concerning factors (internal, external) that influence behavior; New Environmental Paradigm scale; positive psychology of the environment [ Corral- Verdugo, 2012; Dunlap, 2008; Goldman et al., 2020; Kollmus and Agyeman, 2002]





<ul> <li>Infinite De Setuling in Israel</li> <li>Student presentations</li> <li>Required course reading</li> <li>Readings will be selected from this list</li> <li>Capra, F. (1996). The Web of Life – A New Scientific Understanding of Living Systems. Anchor Books Doubleday. Chapter 1. Deep Ecology – A New Paradigm, pp. 3-13; Epilogue: Ecological Literacy, pp. 297- 304.</li> <li>Dobson, A. (2007). Environmental citizenship: Towards sustainable development. Sustainable Development, 15, 276-285. DOI:10.1002/sd.344.</li> <li>Dunlap, R. E. 2008. The New Environmental Paradigm Scale: From marginality to worldwide use. The Journal of Environmental Education, 40 (1), 3-18.</li> <li>Goldman, D., Hansmann, R., Cinčera, J., Radović, V., Telešienė, A., Balžekienė., &amp; Vávra, J. (2020). Education for Environmental Citizenship and Responsible Environmental Behaviour. In: A.Ch. Hadjichambis, P. Reis, D. Parakseva-Hadjichambi, J. Cincera, J., Boeve-de Pauw, N. Gericke and M.C. Knippels (Eds.).</li> <li>Conceptualizing Environmental Citizenship for 21st Century Education (pp. 115-138). Cham, Switzerland: Springer. DOI 10.10007/978-3-030-20249-1.</li> <li>Goldman, D., Ayalon, O., Baum, D., &amp; Weiss, B. (2018). Influence of 'Green School Certification' on students environmental literacy and adoption of sustainable practice by schools. Journal of Cleaner Production. DOI: 10.1016/j.jclpro.2018.02.176</li> <li>Hadjichambis, A.Ch., and Reis, P. (2020). Introduction to the conceptualization of environmental citizenship for twenty first century education. Cham, Switzerland: Springer</li> <li>Heimlich, J. 1992. Promoting a concern for the environment. <i>ERIC Cleaninghouse for Science Mathematics and Environmental Education</i>. Columbus OH. ED351206</li> <li>Hollweg, K.S., Taylor, J.R., Bybee, R.W., Marcinkowski, T.J., McBeth, W.C. &amp; Ziodo, P. (2011). <i>Developing a Framework for Assessing Environmental Education</i>. Available at http://www.naaee.net</li> <li>Kollmus, A., &amp; Agyeman, J. (2002)</li></ul>	11(**)	Fieldtrip – selected educational sites representing different types of formal and non- formal ESE settings in Israel	
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#### **Optional course reading**

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#### Comments

(\*) The sequence and duration of learning units and topics may change during the course adapting to development in the course

(\*\*) Conducting the fieldtrip is dependent on possibilities of the department





### <u>Plagiarism</u>

The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Plagiarism is the use of someone else's work, words, or ideas as if they were your own. Here are three reasons not to do it:

- 1. By far the deepest consequence to plagiarizing is the detriment to your intellectual and moral development: you will not learn anything, and your ethics will be corrupted.
- 2. Giving credit where it is due but adding your own reflection will get you higher grades than putting your name on someone else's work. In an academic context, it counts more to show your ideas in conversation than to try to present them as sui generis.
- 3. Tel Aviv University punishes academic dishonesty severely. The most common penalty is suspension from the university, but students caught plagiarizing are also subject to lowered or failing grades as well as the possibility of expulsion.