



**שם הקורס**

Environmental nanotechnology

**מרצה**

Dr Ines Zucker

**סמסטר**

B

**דרישות הקורס**

- Homework - critical reading and guided reading
- Project - active participation and contribution to the discussion throughout the project, writing and presenting.
- Ecothon - participation and application of learned course materials

**הרכב הציון הסופי**

Homework and personal evaluation - 20%  
 Project - 50%  
 Ecothon - 30%

**מבנה הקורס**

נושא השיעור ותכני השיעור (מטלות, רשימת קריאה, משימות וכיו"ב)	תאריך / מס' שיעור
Course introduction, Introduction to Nanotechnology	1
Introduction to Environmental Nanotechnology, Introduction to Science and Material Engineering	2
Design and synthesis of nanomaterials, project selection	3
Design and synthesis of nanomaterials, characterization and classification of nanomaterials	4
Characterization and classification of nanomaterials, submission of project Phase 1	5
** Laboratory tour	6
Guest lecture	7
Nanomaterials in Environmental Applications	8
Nanomaterials in Environmental Applications, guest lecture, Submission of project Phase 2	9
Behavior of nanomaterials in the environment (aggregation, precipitation, and Transformation)	10



Exposure, toxicity, and risk assessment of nanomaterials, submission of project Phase 3	11
** Ecothone	12
Project presentation	13
<b>קריאת חובה</b>	
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<b>קריאת רשות</b>	
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<b>הערות</b>	
<p>* The order and content of the lessons is tentative and subject to change depending on the progress of the class. ** Subject to change</p>	