



Full Syllabus



Course Title

Environmental Nanotechnologies

Lecturer

Dr. Ines Zucker

Semester

Spring

Course requirements

None

Final grade components

Homework - 20%

Project - 80%

Course schedule

Class no. / Date	Subject and Requirements (assignments)
1. 29/5/24	Course introduction, Introduction to Nanotechnology
2. 5/6/24	Introduction to Environmental Nanotechnology, Introduction to Science and Materials
3. 14/6/24	Friday, 9-11 Design and synthesis of nanomaterials, project selection
4. 26/6/24	Characterization and classification of nanomaterials
5. 3/7/24	Guest lecture (submission of project Part A)
6. 10/7/24	Nanomaterials in Environmental Applications
7. 17/7/24	Guest lecture – Applications
8. 24/7/24	Guest lecture – Implications (submission of project Part B)
9. 31/7/24	Environmental Implications of Nanomaterials
10. 7/8/24	Laboratory tour (submission of project Part C)
11. 16/8/24	Friday, 9-11 Presentation of projects

Reading materials

1. *Environmental Nanotechnology: Applications and Impacts of Nanomaterials*(2007) Mark Wiesner and Jean-Yves Bottero, ISBN: 978-0071477505
2. *Nanoscience and Nanotechnology: Environmental and Health Impacts* (2008) Edited by Vicki H Grassian. Wiley, ISBN: 978-0-470-08103-7

Comments

The order of the lessons is tentative and subject to change depending on the progress of the class.