



Full Syllabus



Course Title

Innovative technologies to overcome today's challenges for sustainable water and wastewater treatment

Lecturer

Prof. Dror Avisar & Prof. Frank Lipnizki

Semester

B

Course requirements

Academic level - Graduate

Final grade components

Final Exam 60% Student's paper analyzing and presenting 40%

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1. 15.5.24	Course introduction Water contamination by wastewater
2. 21.5.24	AOP as a destructive solution for WW treatment
3. 22.5.24	Upgraded AOP treatment technology via catalytic processes
4. 28.5.24	Membrane processes for drinking water preparation – Status and perspectives
5. 29.5.24	Membrane processes for wastewater treatment – Status and perspectives
6. 4.6.24	Student's paper presenting and analyzing + Discussion
7. 5.6.24	Student's paper presenting and analyzing + Discussion
8. 18.6.24	Student's paper presenting and analyzing + Discussion
9. 19.6.24	Student's paper presenting and analyzing + Discussion
10. 26.6.24	Student's paper presenting and analyzing + Discussion Only for TAU
11. 3.7.24	Student's paper presenting and analyzing + Discussion Only for TAU

Required course reading

The selected papers for presenting

Optional course reading

None

Comments

Teaching days: Tuesday - Wednesday, 12:15- 13:45 IST

11-12/6 Holiday (Shavuot) Break for Israel



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Language The course will be given in English.

Teaching Format: The course will be given, simultaneously, via Zoom.

Please attend the classes!!!