Environmental Organic Geochemistry – Syllabus 206-24631

Lecturer: Dr. Alexey Kamysny

Topics:
• Introduction to organic chemistry
• Introduction to chemical thermodynamics and kinetics
• Properties of pure substances: phase transfer, diffusion, sorption, acid-base chemistry
• Thermodynamics and kinetics of chemical transformations of organic pollutants: hydrolysis, redox transformations and photochemistry
• Biological transformations of organic pollutants
• Sampling and analysis of organic pollutants

Reference book:

Course structure:
• 2 hours of lecture per week
• 2 hours of seminar per week

Requirements:
• Attendance (lectures and seminars) – 80%

Grades:
• Homework – 20% of the final grade, will be uploaded on Moodle.
• Mid-term examination (בחון מגן) – 0-20% of the final grade
• Final examination – 60-80% of the final grade