

Department of Civil and Environmental Engineering
Carleton University

ENVE 5205 SLUDGE TREATMENT AND DISPOSAL

Winter 2016

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Office Hours: Wednesdays, 10:30-11:30 AM

Lecture Materials

Lecture materials will be available on CULearn.

Course Outline

Week	Subject
Week 1	Review of wastewater treatment
Week 2	Sludge sources, quantities and characteristics
Week 3	Biological treatment
Week 4	Chemical stabilization
Week 5	Composting
Week 6	Conditioning / Thickening
Week 7	Mid-term exam
Week 8	Dewatering
Week 9	Preliminary treatment techniques
Week 10	Final disposal
Week 11	Thermal processes
Week 12	Current issues

Grading

Assignment	20%
Mid-term examination	35%
Final examination	45%

A final exam mark of 50% or better is necessary to pass this course.

Late policy

10% of the grade will be deducted from assignments for everyday late. Weekends are included.

Special arrangements

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website: <http://www2.carleton.ca/equity/>

Religious obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website: <http://www2.carleton.ca/equity/>

Academic Accommodations for Students with Disabilities: The **Paul Menton Centre** for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your ***Letter of Accommodation*** at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (*if applicable*). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (*if applicable*) at <http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/>

You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at <http://www2.carleton.ca/equity/>