

## Module Layout

### XMΠ523: Solid Waste Engineering

<b>Faculty</b>	Code	Faculty of Pure and Applied Sciences	
<b>Programme of Study</b>	XMΠ	Sustainable Environmental Engineering	
<b>Module</b>	XMΠ523	Solid Waste Engineering	
<b>Level of Study</b>	<b>Undergraduate</b>	<b>Graduate</b>	
		<b>Master</b>	<b>Doctoral</b>
		X	
<b>Language of Instruction</b>	Greek		
<b>Mode of Delivery</b>	Distance		
<b>Module Type</b>	<b>Required</b>	<b>Electives</b>	
	X		
<b>Number of Group Consulting Meetings</b>	<b>Total</b>	<b>Physical Presence</b>	<b>Online</b>
	13	0	13
<b>Number of Assignments</b>	1		
<b>Final Grade Calculation</b>	<b>Assignments</b>	<b>Weekly Activities</b>	<b>Final Exam</b>
	30 %	10 %	60 %
<b>Number of European Credit Transfer System (ECTS)</b>	10		

#### Module Description

The aim of the course is to teach the student topics on:

- Reduction of the amount, volume and pollutant load of the waste.
- Reuse of materials.
- Recycling / recovery of materials.
- Energy recovery from materials contained in solid waste.
- Proper landfilling of residues and treated waste.
- Strategy for waste prevention and recycling.
- Waste management
- Material recovery
- Waste Collection, Transportation Technologies
- Organic and food waste management
- Composting
- Industrial waste
- Operation of waste treatment plants.

#### Pre-requisite Modules

Not applicable

#### Co-requisite Modules

Not applicable

#### Grading Scheme

Assessment Method	Percentage on Final Grade	Workload	
		Hours	ECTS
<b>Weekly Study</b> 13 weeks * ~11 study hours		140-160	4.5

<b>Weekly Interactive Activities</b> 13 weeks * ~1 hour of work	10%	~13	0.5
<b>Assignment</b>	30 %	80 - 100	5.0
<b>Final/Repeat Examination</b>	60 %	3	--
<b>Total</b>	<b>100%</b>	250-300	10

#### **Grading Rules and Assessment methods**

- Students are evaluated with 10, if they earn 100% of the possible grade.
- Students are evaluated with 9, if they earn 90% of the possible grade, i.e.  $90\% * 10 = 9$ , etc.
- Passing rate
  - 50% of the Assignment
  - 50% of the Interactive Activities
  - Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade ( $\geq 50\%$ ) in both their Assignment and Interactive Activities
  - 50% of the Final exam

If a student earns a grade with decimal points, then it is rounded to the nearest half unit.