

## Module Layout COS524 / Natural Language Processing

<b>Faculty</b>	ΣΓΕΕ	Faculty of Pure and Applied Science	
<b>Programme of Study</b>	COS	M.Sc. in Cognitive Systems	
<b>Module</b>	COS524	Natural Language Processing	
<b>Level of Study</b>	<b>Undergraduate</b>		<b>Graduate</b>
		<b>Master</b>	<b>Doctoral</b>
		X	
<b>Language of Instruction</b>	English		
<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>
	12 + 1 revision	-	12 + 1 revision
<b>Number of Assignments</b>	1 Assignment / Project and 12 Interactive Activities		
<b>Final Grade Calculation</b>	<b>Interactive Activities</b>	<b>Assignment / Project</b>	<b>Final Exam</b>
	24 %	26 %	50 %
<b>Number of European Credit Transfer System (ECTS)</b>	10		

### Module Description

We will take Natural Language Processing in a wide sense to cover computer manipulation of natural language. At one extreme, it could be as simple as counting word frequencies to compare different writing styles. At the other extreme, NLP involves “understanding” complete human utterances, at least to the extent of being able to give useful responses to them. The course has also a practical sense of introduction to natural language processing. Students will learn to use and formulate methods and systems that analyze text, write real programs, and grasp the value of being able to test an idea through implementation. The course strikes a balance between theory and application, identifying the connections and the tensions. The course aims to be also pleasurable, including applications and examples that are interesting and entertaining, and sometimes whimsical.

### Pre-requisite Modules

### Co-requisite Modules

### Grading Scheme

Assessment Method	Percentage on Final Grade	Workload	
		Hours	ECTS
Interactive Activities	24 %	25-30	1
Assignment / Project	26 %	50-50	2
Final/Repeat Examination	50 %	3	-
<b>Total</b>	<b>100%</b>	<b>Total</b>	<b>Total</b>

### Grading Rules and Assessment methods

- Passing rate
  - 50% of the Interactive Activities
  - 50% of the Assignment / Project
  - 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 / Project 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.