Module Code	AN-2320			
Module Title	Linguistic Applications in Technology			
Degree/Diploma	Bachelor of Arts			
Type of Module	Major Breadth			
Modular Credits	4	**Total Student Workload**	8	hours/week
		Contact Hours	4	hours/week
Prerequisite	None			
Anti-requisite	None			

Aims

The module aims to introduce the principles that underpins the use of technology – including computational and statistical tools, basic tools and applications of language processing and provide an overview of the application of these tools in the real world.

Learning Outcomes

On successful completion of this module, a student will be expected to be able to:

Lower order :	10%	- Identify techniques for encoding languages
Middle order :	60%	- Apply techniques to texts and other linguistic datasets - Analyse texts and linguistic datasets in a range of contexts, i.e. language learning, translation, grammar checking, etc
Higher order:	30%	- Carry out small scale empirical study with the use of techniques learnt in the module

Module Contents

- Natural language data
- Text and other linguistic datasets
- Basic model for text classification
- Basic language processing tools and applications
- Speech tagging and grammar parsing
- Computational tools for text analysis
- Statistics-based techniques for text analysis
- Challenges and issues in natural language processing
- Computer-mediated-communication and language learning
- Applications in the real world

Assessment	Formative Assessment	- Face-to-face discussions and analysis during tutorials - Weekly online discussion via Canvas
	Summative Assessment	Examination: 40% Coursework: 60% 1 oral presentation – 20% 1 written analysis task – 20% 1 group project – 20%