Module Title: Coding for Linguistics

Module Code: LIN6209

Credit Value: 15

Level: 6

Pre-requisite modules:

Content Description

This module introduces computer programming and computational modelling for applications in linguistics. There will be a strong focus on developing practical skills.

Students will learn how to write code in Python3 and gain experience in using tools that are suited to solving a range of computational problems in linguistics.

Module Aims

On completion of this module students will be ready to:

- Design and write programs in Python 3
- Use the Python standard libraries
- Understand what values, variables, objects, and functions are and know how to create and use them
- Programmatically read, process, and write, text and data files
- Analyse text and report on its statistical properties
- Search for patterns in texts using regular expressions
- Present results attractively in graphs and charts
- Understand the statistical techniques used in machine learning