

## Evolutionary Computation

School of Computer Science

College of Engineering and Physical Sciences

### Details

**Code** 02411

**Level of study** Third/Final year

**Credit value** 10

**Semester** 1

### Module description

Evolutionary Computation is the study of computational systems that use ideas and get inspiration from natural evolution. Its techniques can be applied to optimisation, learning and design. Example topics covered in this module include natural and artificial evolution, evolutionary, chromosome representations, search operators, co-evolution, constraint handling techniques, niching and speciation, genetic programming, classifier systems and theoretical foundations

### Teaching and learning methods

2 hrs per week; a combination of lectures and tutorials.