The University of Hong Kong
Faculty of Education

Postgraduate Diploma in Education

Key Learning Area / Major: Science Education

- **Biology (Full-time and Part-time)**
- **Chemistry (Full-time and Part-time)**
- **Physics (Full-time and Part-time)**

Biology

The Biology major course aims to develop prospective biology teachers the followings:

1. a knowledge of changes that are taking place in biology education
2. an understanding of educational purposes of biology within the Science Key Learning Area that forms a part of the Hong Kong school curriculum
3. an understanding of problems that pupils face in learning biology and seeing ways to minimise difficulties
4. an understanding of principles and strategies of planning a biology course appropriate to both classroom and laboratory work
5. an ability to use a variety of approaches to promote and assess learning
6. a knowledge of the structure of the Hong Kong biology curriculum, and design principles behind it
7. an ability and a disposition to reflect upon their own practice

Chemistry

The Chemistry major course aims to develop prospective chemistry teachers the followings:

1. a knowledge of changes that are taking place in chemistry education
2. an understanding of educational purposes of chemistry within the Science Key Learning Area that forms a part of the Hong Kong school curriculum
3. an understanding of problems that pupils face in learning chemistry and seeing ways to minimise difficulties
4. an understanding of principles and strategies of planning a chemistry course appropriate to both classroom and laboratory work
5. an ability to use a variety of approaches to promote and assess learning
6. a knowledge of the structure of the Hong Kong chemistry curriculum, and design principles behind it
7. an ability and a disposition to reflect upon their own practice

Physics

The Physics major course aims to develop prospective physics teachers the followings:

1. a knowledge of changes that are taking place in physics education
2. an understanding of educational purposes of physics within the Science Key Learning Area that forms a part of the Hong Kong school curriculum
3. an understanding of problems that pupils face in learning physics and seeing ways to minimise difficulties
4. an understanding of principles and strategies of planning a physics course appropriate to both classroom and laboratory work
5. an ability to use a variety of approaches to promote and assess learning
6. a knowledge of the structure of the Hong Kong physics curriculum, and design principles behind it
7. an ability and a disposition to reflect upon their own practice