

EP914-0 PGCE Secondary Subject Studies: Physics

20/21

Department

Centre for Teacher Education

Level

Undergraduate Level 3

Module leader

John Thornby

Credit value

0

Module duration

42 weeks

Assessment

100% coursework

Study locations

Partnership School Primary

University of Warwick main campus, Coventry

Description

Introductory description

Blended model of distance learning, workshops and seminars within the university and at school-based "Subject Hubs of Excellence". Equivalent to 60 hours.

Module aims

1. To enable students to become effective, competent and professionally aware secondary teachers of Physics in secondary school.
2. To provide students with overview of developments in teaching and learning in Physics.
3. To maintain, refine and expand students' subject knowledge in Physics appropriate to teaching secondary learners.
4. To ensure students know and are able to apply an appropriate range of teaching and learning styles and strategies.
5. To ensure students understand pupils' achievements and difficulties and can respond effectively to their individual needs.
6. To ensure that students who are recommended for QTS meet all the national statutory

requirements and Teaching Standards for qualified teacher status.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

The Secondary PGCE Subject Studies module has been developed to support the professional practice of students, as undertaken in their school setting, as they work towards meeting the Teachers' Standards. It is designed to heighten students' awareness of the pedagogy of their subject area and enable them to adopt a range of approaches and strategies to ensure that their teaching is sufficiently diverse to challenge or support as appropriate. It is also designed to ensure that students have a broad understanding of issues in their subject(s), beyond those they may encounter in their school setting. This will enable them to combine theory with practice and systematically evaluate and reflect on action taken, thus ensuring that students (trainee teachers) emerge from their PGCE as effective, competent and professionally aware educators in their subject area.

Learning outcomes

By the end of the module, students should be able to:

- LO1 Show understanding of recent and current developments in teaching and learning in Physics.
- LO2 Identify and critically evaluate the key principles underpinning leading edge approaches, methods and debates in the teaching and learning of Physics.
- LO3 Actively engage with and critically analyse current theories and practices in teaching Physics.
- LO4 Explore a range of relevant educational themes within the context of teaching Physics, including: inter- cultural awareness and cultural entitlement.
- LO5 Demonstrate the acquisition of and critical engagement with practical classroom skills.
- LO6 Critically reflect on the knowledge and appropriate pedagogic skills and knowledge needed for a rigorous and innovative approach to teaching Physics.

Indicative reading list

[Reading lists can be found in Talis](#)

Subject specific skills

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Transferable skills

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Study

Private study description

No private study requirements defined for this module.

Costs

No further costs have been identified for this module.

Assessment

Students can register for this module without taking any assessment.

Assessment group A1

	Study time	Eligible for self-certification
Assessment component		
Non-assessed module		Yes (extension)
This module is not assessed for academic credit as it only contributes toward the recommendation for the award of QTS.		
Reassessment component is the same		

Feedback on assessment

Ongoing formative feedback provided by Subject Mentors in schools. Students will self-assess their subject knowledge via an ongoing auditing process. University Teaching Fellows will provide formative feedback on tasks as and when appropriate. Summative feedback is provided by school Mentors at regular Assessment Points and by University Teaching Fellows in tutorials.

Availability

Courses

This module is Core for:

- Year 1 of TIEQ-X34W Postgraduate Certificate in Education (Secondary) School Direct
- Year 1 of TIEQ-X34Y Postgraduate Certificate in Education (Secondary) School Direct Salaried
- Year 1 of TIEQ-X33H Postgraduate Certificate in Education (Secondary): Physics