

Study with us

## About your course

### Courses covered

Code	Title
PETPM	MSc Theoretical Physics
PETPARM	MSc Theoretical Physics with Advanced Research

You can find full details of your course in the *Programme Specification*.

### Important points

- This course is run by the department of Physics Astronomy and Mathematics, and taught by staff from PAM's mathematical and theoretical physics research group. The group has internationally recognized research expertise in areas of theoretical physics including:
  - Supergravity, string/M-theory and generalized geometry
  - Quantum field theory, gauge theory and classical/quantum gravity
  - Scattering amplitudes in gauge theory
  - Integrability in quantum field theory
  - Quantum groups and integrable systems
  - Higher gauge theory
- In addition to core topics including Quantum Field Theory and General Relativity, the teaching programme features a series of Recent Advances lectures, designed specifically to survey active topics in the field and bring students closer to the research frontier. Students will also be encouraged to be active participants in the research culture of the group, attending and contributing to seminars.
- The award of an MSc degree requires 180 credit points including at least 150 credit points from level 7 modules which must include the Theoretical Physics Research Project 7PAM2009, together with up to 30 credit points from level 6 modules.
- The award of an MSc with Advanced Research degree requires 240 credit points including at least 180 credits from level 7 modules which must include the modules Theoretical Physics Research Project 7PAM2009 and Research Seminar 7PAM2008, together with up to 60 credits from level 6 modules.

## Academic Year

### Academic Year 2024 – 2025

The University's academic year is made up of 3 Semesters (A, B and C). Semester A and B are made up of teaching weeks followed by exams, where applicable (the re-sit period falls within Semester C). Semester C is normally used for final dissertations and projects.

- Semester A runs from Monday 23 September 2024 to Friday 17 January 2025
- Semester B runs from Monday 20 January 2025 to Friday 9 May 2025
- Semester C runs from Monday 12 May 2025 to Friday 5 September 2025

## Additional expenses

Description	Year	Mandatory/ Optional	Estimated cost
Desktop or laptop computer. Please see: <a href="https://ask.herts.ac.uk/buying-a-computer-for-uni">https://ask.herts.ac.uk/buying-a-computer-for-uni</a>	1,2	Optional	From £400
Texts to support the curriculum. Postgraduate study requires extensive reading and access to reference works. Recommended texts are available in the Learning Resource Centre either as ebooks or printed material. Please note that availability of printed material may be limited so students may wish to purchase their own copies.	1,2	Optional	The average price of a recommended text is £50, although you may be able to buy second-hand copies.
No additional expenses have been specified for this course.			