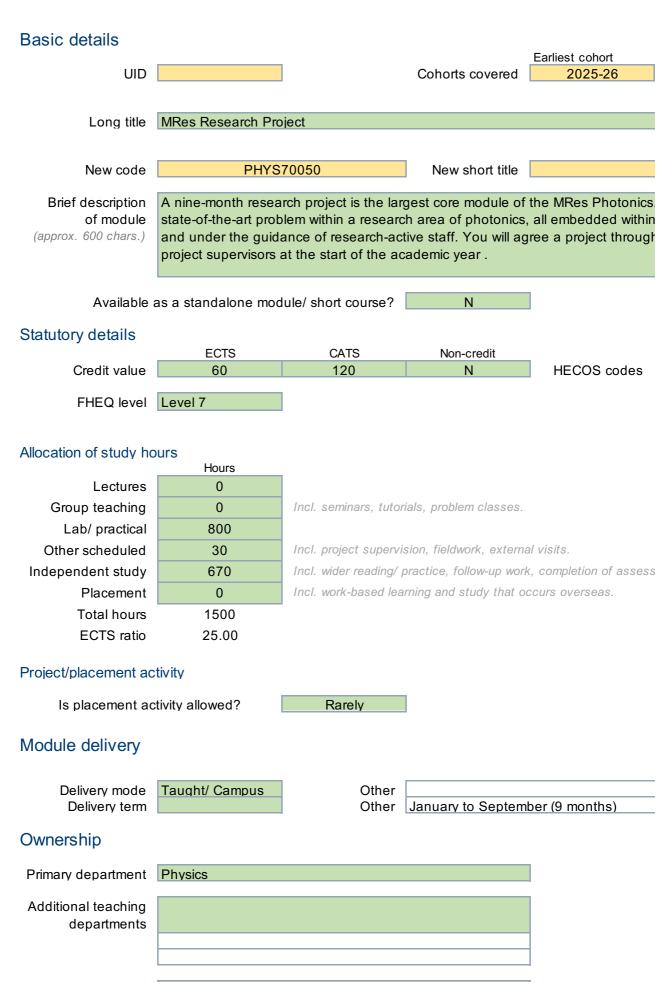
### Imperial College London

Delivery campus South Kensington

### Module Specification (Curricu



#### Collaborative delivery

	Collaborative delivery?	N
External institution	N/A	
External department	N/A	
External campus	N/A	

#### Associated staff

Role	CID	Given name	Surname
Module Leader		Christopher	Dunsby

# Learning and teaching Module description

#### Learning outcomes

On completion of this module you will be able to:

- apprasise and interpret the scientific literature to critically review the backgound of a tor research area right up to the state-of-the-art, and synthesise this into a written report and presentation
- design a research plan for addressing the problem being pursued
- critically assess techiniques appropriate to meeting the project's aims
- carry out laboratory/computational/theoretical work at the state-of-the-art
- evaluate the performance of different methods and their suitability for the problem studie
- critique their work in the context of the research group in which the work was carried out research field
- present, by both a written thesis and an oral presentation, on the research problem and addressing the problem

Module content

The module will consist of supervised original research in an area of photonics. The stude independent literature review to develop a full understanding of the back ground to ther pr research and development to is current standing. The main project work may be theoretical or computational and is supervised by a member of the academic staff.

Learning and Teaching Approach

Students will work individually on a research-led project with increasing independence. Init decided through discussion between the student and project supervisor. Project work beg of term two and runs for 9 months (January to September). During this period students ha with the project supervisor giving students an opportunity to discuss progress and future

### Assessment Strategy

The module assessment is based on a written report on their interim literature review and a minute presentation, followed by 5 minutes of questions, to their peers, the MSc Optics at plus the project's superivor and other academic staff.

The final project thesis (dissertation) is submitted in September. The students also give an minute presentation, followed by 5 minutes of questions, to their peers, the MSc Optics a plus the project's superivor and other academic staff.

Students will also receive formative feedback on a progress and future plans oral present and the MSc Optics & Photonics students plus supervisor) which they give in July and wt contribute to the overall mark of the module.

Feedback	duration of the project.	Feedback is also pro edback from the supe	ovided to the formative ervisor on the structure	et supervisor(s) continue e progress and future pl e of their thesis and on
Reading list	A set of initial readin	g appropriate to the	e particular project w	ill be provided by the
Quality assurance	9		Office use only	
Date of first approval Date of last revision Date of this approval	June 2023		QA Lead Department staff Date of collection	
Module leader	Christopher Dunsby		Date exported Date imported	
Notes/ comments				

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16/06/2017