

Basic details

UID		Cohorts covered	
Long title	Individual Project / Internship		
New code	ELEC70113	New short title	
Brief description of module (approx. 600 chars.)	The summer project provides the capstone element for the programme. As part of the process, you will develop an Artificial Intelligence (AI) application, and make it suitable for entrepreneurial integration into a company or suitability for startup investment. You will have the opportunity to demonstrate independence and originality, and to research and organise a large project over an extended time period, drawing together material from across the programme. You will also investigate how to address issues related to data privacy and security in your AI application. The project can be undertaken as a standalone module or as part of an internship.		
Available as a standalone module/ short course?	N		

Statutory details

	ECTS	CATS	Non-credit
Credit value	45	90	N
FHEQ level	Level 7		

Allocation of study hours

	Hours	
Lectures	3	
Group teaching	0	<i>Incl. seminars, tutorials, problem classes.</i>
Lab/ practical	0	
Other scheduled	12	<i>Incl. project supervision, fieldwork, external visits.</i>
Independent study	1110	<i>Incl. wider reading/ practice, follow-up work, completion</i>
Placement	0	<i>Incl. work-based learning and study that occurs over the summer</i>
Total hours	1125	
ECTS ratio	25.00	

Project/placement activity

Is placement activity allowed?	Yes
--------------------------------	----------------------------------

Module delivery

Delivery mode	Placement	Other	alternative of on-campus
Delivery term	Term 3	Other	Term 4

Ownership

Primary department	Electrical and Electronic Engineering
Additional teaching departments	N/A

Delivery campus

White City

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		Chen	Qin

Learning and teaching

Module description

Learning outcomes

Upon successful completion of this module you will be able to:

- Conduct independent research
- Produce a technically non-trivial implementation
- Develop and critically evaluate a system that satisfies the requirements of an AI-based system
- Grow knowledge on addressing ethics, social impact, data privacy and security issues
- Communicate challenges and achievement both orally and in writing
- Produce a technical and scholarly report

Module content

The module is primarily self-study, where you work on an independent investigation with a supervisor.

There will be a small number of supporting lectures that will:

1. describe the structure of the project, including expectations, milestones and deliverables
2. give guidance on writing and presentation skills targeted specifically at individual projects
3. explain the assessment procedures.

Learning and Teaching Approach

There are alternative routes for you to undertake a project, as described below.

1. The idea for the individual project may be a proposal:
 - a. from a member of staff at Imperial College, possibly in conjunction with industry or academia
 - b. from the student, or
 - c. a combination of the above.In this case, the project is supervised by a member of staff at IC.
2. The project may be taken as an internship in industry or at another research institution. In this case, the project is supervised by the internship supervisor, together with a designated IC supervisor.

In all cases above, the projects, institutions and supervisors will be subject to approval by the School of Electrical and Electronic Engineering. You are guaranteed a project, but it may not be the project through your preferred route.

Assessment Strategy

- Your performance throughout the project is summatively assessed by your supervisor and formatively assessed during your regular progress reviews.
- Your ability to communicate your work and research findings in writing is summatively assessed in your final thesis. In addition, an oral or poster presentation (about 15-20 minutes) is held to test your ability to discuss your findings.

Feedback	There will be continuous feedback throughout the supervision period and verbal feedback during the final presentation via Q&A.
Reading list	Project-specific reading lists will be provided by individual supervisors

Quality assurance

Office use only

Date of first approval	
Date of last revision	July 2026
Date of this approval	

QA Lead
 Department staff
 Date of collection

Module leader	Chen Qin
---------------	----------

Date exported
 Date imported

Notes/ comments	
-----------------	--

Earliest cohort

2024

part of the project
a case for its suitability
nent. The project will give
earch, plan and
ny threads from the rest
ethics, social impact,
en as an industrial

HECOS codes

of assessments, revisions.
as.

work is also allowed

sed application area
es in your AI application

ith supervisory support.

erables,
rojects,

another research institute,

tion. In this case, the
ervisor.

al by the Department of
e possible to guarantee a

or and an independent
meetings with your

ly assessed through the
t your understanding and

ack at the midpoint and
supervisors

--

Template version

Assessment details

Grading method

Pass mark

50%

Assessments

[illegible]

100%