

Imperial College
London

Faculty of Engineering
Department of Aeronautics

Third and Fourth Year H41E Exchange

Student Handbook

2022-23

Contents

Introduction and Welcome from the Year Abroad Coordinator	2
Welcome from Year Abroad Coordinator Dr Maria Ribera Vicent	2
Department and College Contacts	2
Department Year Abroad Co-ordinator	2
Undergraduate Office (CAGB 310)	2
Student Placement Office, Registry	2
International Student Support	2
Department Staff Contacts.....	3
General Information	3
Changes due to Coronavirus (COVID-19).....	3
Taking Modules in other Departments	3
Choice of Module Options.....	3
Personal Tutor.....	3
Examinations.....	4
Third Year H41E Programme Summary.....	4
Fourth Year H41E Programme Summary.....	5
Project 6	
Third Year H41E Group Design Project.....	6
Fourth Year H41E Individual Project	6
Erasmus Learning Agreements.....	6

Introduction and Welcome from the Year Abroad Coordinator

Welcome to the Aeronautics Department at Imperial College. In this handbook you will only find information specifically for exchange students following our third and fourth year H41E exchange programmes. Generic information for all programmes can be found in our MEng Student Handbook which can be found on our website for current students.

 <http://www.imperial.ac.uk/aeronautics/study/ug/current-students/>

You are expected to read both handbooks carefully and they will be your first point of reference for any queries along with information provided on our current student's website. These handbooks are continually being updated so always check for the latest version online.

Welcome from Year Abroad Coordinator Dr Maria Ribera Vicent



It is my pleasure to welcome you to the Department of Aeronautics, Imperial College London. You can easily contact me on my email and please feel free to drop by my office during my office hours to discuss any academic related issues. I understand that this may be your first time being away from your family or going to a different country, but I do hope you will make the most of the opportunities you can get in London generally, and at Imperial specifically. For H41E Erasmus students we have the Imperial's Erasmus Club which you can join for year-around events and talks, and most importantly to build your own social network. Finally, I wish you all a great year at Imperial and all the best in your studies.

Department and College Contacts

Department Year Abroad Co-ordinator

Your initial contact with the academic staff of this Department will be through the Exchange/Erasmus Co-ordinator (Dr Maria Ribera Vicent, Room 317, City and Guilds Building, Tel: +44 (0)20 7594 5103; email: m.ribera-vicent@imperial.ac.uk). She will in effect be your personal tutor and will be happy to see you at any convenient time to offer advice on any personal or academic problems you may have.

Undergraduate Office (CAGB 310)

This office is led by the Undergraduate Office Manager Miss Jackie O'Neill and supported by two Undergraduate Administrators, Ms Jie Du and Mrs Shirin Yoosoofsah.

Our office opening hours are published every Friday after 4pm for the following week on our [Undergraduate Virtual Office on MS Teams](#) and are also displayed on our office door.

Please send all email communications to the email address above and not staff personal emails and they must be sent from your college email account stating your full name and CID.

Student Placement Office, Registry

The Student Placement Office is your source of advice and assistance on all matters related to the hosting of students on placement across the College (including all registration issues, fees, bursaries, accommodation, English language requirements etc).

Assistant Registrar Placement Officer:

Adrian Hawksworth a.hawksworth@imperial.ac.uk, tel +44(0)20 7594 8044

 <http://www.imperial.ac.uk/placements/>

International Student Support

The International Student Support team deal with all students from outside the UK who wish to study here. They provide a top-class level of support whenever you may need it – before arrival, during your studies and when you move on.

For further information and contact details please see

 <http://www.imperial.ac.uk/study/international-students/>

Department Staff Contacts

On the links below you will find details of staff you will meet during your studies and the first link provides information on the roles and responsibilities for key positions both within the Department and the College.

Roles and responsibilities for key College and Departmental Roles



<https://www.imperial.ac.uk/staff/tools-and-reference/quality-assurance-enhancement/roles-and-responsibilities/>

Academic and Teaching Staff



<https://www.imperial.ac.uk/aeronautics/people/academic/>

Professional Services Staff



<https://www.imperial.ac.uk/aeronautics/people/professional-services-staff/>

Technical and Operations Staff



<https://www.imperial.ac.uk/aeronautics/people/technical-and-operations-staff/>

General Information

Changes due to Coronavirus (COVID-19)

The College will keep you informed about any further changes that may affect you due to the impact of coronavirus (COVID-19). The COVID-19 FAQs on the website are a repository of helpful information and the latest guidance can be found at:



<https://www.imperial.ac.uk/about/covid-19/>

Taking Modules in other Departments

You may take modules in other Imperial College departments apart from those listed in the modules offered to you from the Aeronautics Department in your programme summary below, subject to approval from your home institute. You will need to contact the relevant departments directly if you wish to do their modules as we do not liaise for you). *However, these are subject to administrative restrictions i.e., we would not be able to accommodate for these on your timetable and you would have to ensure that they do not clash with the timetabled modules you have selected in Aeronautics. We also cannot guarantee there will not be an examination scheduling clash between our exams and those modules taken in other departments which are not offered by us and we are unable to adjust our timetable if this happens.*

You are also required to inform the Aeronautics Undergraduate Office (ae.office@imperial.ac.uk) if you are taking modules in other Departments as soon as you have received confirmation you are registered to ensure they receive your results.

If at any time you drop any module you must inform the Aeronautics Undergraduate Office immediately. Failure to notify them will result in zero marks on your official transcript which cannot be removed.

Choice of Module Options

Students were asked to select their module options earlier in the year for both Autumn and Spring term modules. There is very little scope to change options when you start in October but if you do have a desperate need to change then then email the Aeronautics Undergraduate Office (ae.office@imperial.ac.uk) from your Imperial email account clearly stating the details of the change along with your full name, year, programme, CID **by Friday 14th October 2022**. Please note you can only take the options offered to your programme as per the information in your programme summary below, you cannot register on any other modules we run for other programmes/years.

Personal Tutor

There are personal tutorial sessions scheduled in the Autumn, Spring and Summer terms with the Year Abroad Coordinator who is also your Personal Tutor. She will also be happy to see you at any mutually convenient time to discuss academic or personal problems you may have. **Please note that attendance at all your timetabled Personal Tutorials is mandatory and will be recorded as this data is needed to meet with your student route UKVI requirements. Failure to attend may result in your visa being revoked which means you would have to leave.**

Examinations

We have two examination sessions for students on the H41E programmes. The first examination session takes place during the first two weeks of the Spring Term (January) and the second examination session takes place during the first two weeks of the Summer Term (April/May) and all examinations will take place at Imperial College London, no exceptions.

Third Year H41E Programme Summary

The table below lists all the optional subjects currently offered to exchange students following our third year of study (revised annually) by the Aeronautics Department. It is entirely up to your Home Institute as to what options you undertake from those offered.

In a given year, for reasons associated with timetabling, staff availability and course popularity, it may not be possible to offer all these options and restrictions may be placed on combinations of subjects. Terms may also be subject to alteration.

For full details on the delivery, learning outcomes, aims and objectives, ECTS, module hours assessment, marking and feedback can be found on our programme specifications document:

 <http://www.imperial.ac.uk/staff/tools-and-reference/quality-assurance-enhancement/programme-information/programme-specifications/>

Coursework submission and feedback deadlines can be found on the current student's website:

 <http://www.imperial.ac.uk/aeronautics/study/ug/current-students/coursework-submission-deadlines/>

Modules	Term Taught	Term Exam Held	Credits
AERO60001 Aerodynamics 3	1	2	7.5
AERO60002 Aerospace Vehicle Design	1,2,3	C/W	10
AERO60008 Structures 3	1	2	7.5
AERO70002 Advanced Manufacturing OR	1	2	5
AERO70008 Computational Fluid Dynamics	1	2	5
AERO70010 Finite Elements	1	2	5
AERO70013 Turbulence & Turbulence Modelling OR	1	2	5
AERO70018 Spacecraft Structures	1	2	5
AERO70014 Lightweight Structures	1	2	5
AERO70020 Advanced Fluid Mechanics and Fluid Structure Interaction	1	2	5
ELEC70024 Optimisation (IDX)	1	3	5
BUSI60042 Entrepreneurship (BPES M/B)	1	2	5
BUSI60037 Accounting Online (BPES M/B)	1	2	5
Imperial Horizons OR	1&2	2	5
BUSI60043 Finance & Financial Manage. (BPES M/B) OR	2	3	5
BUSI60040 Corporate Finance Online (BPES M/B)	2	3	5
AERO60007 Control Systems	2	3	5
AERO70003 Advanced Propulsion OR	2	3	5
AERO70016 Orbital Mechanics	2	3	5
AERO70004 Aeroelasticity	1	3	5
AERO70009 Computational Mechanics OR	2	3	5
AERO70015 Mathematics 3	2	3	5
AERO70019 Spacecraft Systems OR	2	3	5
AERO70036 Systems Engineering for UAVs	2	3	5
AERO70024 Applications of Computational Fluid Dynamics	2	C/W	5
AERO70026 Artificial Intelligence for Aerospace Engineers	2	3	5
AERO70032 Flow Instability & Transition	2	3	5
AERO60004 Group Design Project	3	C/W	15

Key:

IDX = Inter-Departmental Exchange, modules can be run by other Departments

M/B = Management/Business option
C/W = Coursework

Fourth Year H41E Programme Summary

The table below lists all the optional subjects currently offered to exchange students following our fourth year of study (revised annually) by the Aeronautics Department. It is entirely up to your Home Institute as to what options you undertake from those offered.

In a given year, for reasons associated with timetabling, staff availability and course popularity, it may not be possible to offer all these options and restrictions may be placed on combinations of subjects. Terms may also be subject to alteration.

For full details on the delivery, learning outcomes, aims and objectives, ECTS, module hours assessment, marking and feedback can be found on our programme specifications document:

 <http://www.imperial.ac.uk/staff/tools-and-reference/quality-assurance-enhancement/programme-information/programme-specifications/>

Coursework submission and feedback deadlines can be found on the current student's website:

 <http://www.imperial.ac.uk/aeronautics/study/ug/current-students/coursework-submission-deadlines/>

Modules	Term Taught	Term Exam Held	Credits
AERO70002 Advanced Manufacturing OR	1	2	5
AERO70008 Computational Fluid Dynamics	1	2	5
AERO70010 Finite Elements	1	2	5
AERO70013 Turbulence & Turbulence Modelling OR	1	2	5
AERO70018 Spacecraft Structures	1	2	5
AERO70005 Aerothermodynamics of Launchers & Re-Entry Vehicles OR	1	2	5
AERO70014 Lightweight Structures	1	2	5
AERO70020 Advanced Fluid Mechanics and Fluid Structure Interaction	1	2	5
AERO70006 Applications of Fluid Dynamics (IDX) OR	1	2	5
ELEC70024 Optimisation (IDX)	1	3	5
AERO70012 Innovation Management	1	2	5
BUSI60042 Entrepreneurship (BPES M/B)	1	2	5
BUSI60037 Accounting Online (BPES M/B)	1	2	5
Imperial Horizons OR	1&2	2	5
BUSI60043 Finance & Financial Manage. (BPES M/B) OR	2	3	5
BUSI60040 Corporate Finance Online (BPES M/B)	2	3	5
AERO70003 Advanced Propulsion OR	2	3	5
AERO70016 Orbital Mechanics	2	3	5
AERO70004 Aeroelasticity	1	3	5
AERO70009 Computational Mechanics OR	2	3	5
AERO70015 Mathematics 3	2	3	5
AERO70019 Spacecraft Systems OR	2	3	5
AERO70036 Systems Engineering for UAVs	2	3	5
AERO70024 Applications of Computational Fluid Dynamics	2	C/W	5
AERO70026 Artificial Intelligence for Aerospace Engineers	2	3	5
AERO70032 Flow Instability & Transition	2	3	5
AERO70001 MEng Aeronautics Individual Project	1,2,3	C/W	35

Key:

IDX = Inter-Departmental Exchange, modules can be run by other Departments

M/B = Management/Business option

C/W = Coursework

Project

Third Year H41E Group Design Project

A significant item of coursework in Year 3 is the Group Design Project (15 ECTS) which should occupy around 200 hours. This project is scheduled to take place immediately after the examinations (project will run from week 3 to week 8 inclusive in Summer term). You will be given information on the projects available during the Spring term. You will be asked to provide the project coordinator with a list of projects and available roles you would be interested in working on. Roles will ultimately be allocated taking the entire cohort's selections in mind.

Fourth Year H41E Individual Project

The individual project (35 ECTS) runs across the Autumn, Spring and Summer terms. Detailed information about the available projects this year, the allocation process, the preparatory work and the assessment of the projects, is provided in a separate document which you will find on the AERO70001 MEng Aeronautics Individual Project module folder on Blackboard.

As soon as you know your allocated project you should begin any recommended preparatory reading and start preparing your work plan in consultation with your supervisor.



<https://bb.imperial.ac.uk/>

Report submission date and presentation date can also be found on current student's website.



<http://www.imperial.ac.uk/aeronautics/study/ug/current-students/coursework-submission-deadlines/>

Erasmus Learning Agreements

Any changes or signature required for your learning agreements then please contact the Department Year Abroad Coordinator.