

Imperial College
London

Faculty of Engineering
Department of Aeronautics

Third and Fourth Year H41E Exchange

Student Handbook

2019-20

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1. Introduction

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. This handbook is continually being updated so always check for the latest version online.

Exchange/Erasmus Programme Coordinator Dr Siti Ros Shamsuddin



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 for any academic related issues to discuss. I understand that this may be your first time being away from your family and coming to a different country, but I do hope you make the most of the opportunities you can get in London generally, and in Imperial specifically. For fourth year 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.

2. Department and College Contacts

2.1 Department Exchange/Erasmus Co-ordinator

Your initial contact with the academic staff of this Department will be through the Exchange/Erasmus Co-ordinator (Dr Siti Ros Shamsuddin, Room 139, City and Guilds Building, Tel: +44 (0)20 7594 5042; email: s.shamsuddin07@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.

2.3 Undergraduate Office (CAGB 310)

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

Undergraduate Office contact telephone numbers are: +44 (0)20 7594 5100 or 5102.
Opening hours are **9.30-4.30pm Mon, Tue, Thu, Fri and 9.30-12.30pm Wed.**

*Outside of these hours if you have any **urgent** enquiries e.g. lecturer has not turned up, cannot find room or medical emergency then please come in if office is open/staffed.*

Email Enquiries to Undergraduate Office Instructions

It would be easier to deal with your enquiries face to face so please do drop in during our opening hours above. However, you may find it more convenient to email us but please follow the instructions below as failure to do so will result in a lengthy process or no response to your query.

- All email enquires **must be sent** to ae.office@imperial.ac.uk and not to individual office staff personal emails.
- All email enquiries **must come from** *College email accounts* and state student's full name, CID number, programme and year.

2.3 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 6TU a.hawksworth@imperial.ac.ukU6T, tel +44(0)20 7594 8044
For further information please see <http://www.imperial.ac.uk/placements/>

2.4 International Office

The International Office at Imperial College deals 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. Areas of support they provide are:

- Preparing international students for Imperial
- Providing visa and immigration advice and services
- Provide you with assistance throughout your studies

For further information and contact details please see

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

2.5 Aeronautics Staff

For further details on how to contact academic/administrative/technical staff please refer to the MEng Handbook or go to

 <http://www3.imperial.ac.uk/aeronautics/people>

3. Generic Exchange Information for both AE3 H41E and AE4 H41E

3.1 Taking Course in other Departments

You may take courses in other Imperial College departments apart from those listed in the modules offered to you from the Aeronautics Department above subject to approval from your home institute. You would need to contact the relevant departments directly to make arrangements if you wish to do other courses 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 courses you have selected in Aeronautics. We also cannot guarantee there will not be an examination scheduling clash between our exams and those of courses 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 Undergraduate Office in Aeronautics if you are taking courses 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 course you must inform the Undergraduate Office immediately. Failure to notify us will result in zero marks on your official transcript which cannot be removed.

3.2 Choice of Options

Students were asked to select their 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 go and see Miss Jackie O'Neill in the Undergraduate Office (CAGB 310) before Friday 11th October 2019 to discuss.

3.3 Personal Tutor

There are personal tutorial sessions scheduled in the Autumn, Spring and Summer terms with the Erasmus Program 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.

3.4 Examinations Location

We have two examination sessions. 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). Exams will only take place during this period and will only take place at Imperial College. If your Exchange/Erasmus agreement ends before either of these examination

sessions then students are required to return to take them. **You will not be allowed to take our examinations at your home institutes or elsewhere.**

4. AE3 H41E Programme

4.1 Programme Summary (AE3 H41E)

The table below lists all the optional subjects currently offered to AE3 H41E students on the Erasmus/Exchange programme (revised annually) by the Aeronautics Department. 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 be subject to alteration.

Modules	Term Taught	Term Exam Held
Formal Examinations		
AERO96001 Aircraft Aerodynamics	1,2	3
AERO96002 Control Systems	2	3
AERO96003 Finite Elements	1	2
AERO96004 Aircraft Structures	1,2	3
AERO96007 Separated Flows & Fluid-Struct Interaction OR	2	3
AERO96012 Mathematics	2	3
AERO96011 Materials Modelling	1	2
AERO96014 Computational Fluid Dynamics OR	1	2
AERO96020 Advanced Manufacturing	1	2
Language ((IH) OR	1,2	2
Non-Language (IH)	1,2	2
AERO96016 Advanced Propulsion OR	2	3
BUSI96005 Project Management (M/B)	2	C/W & MCQCT
BUSI96009 Corporate Finance Online (M/B)	2	3
AERO96019 Innovation Management (M/B)	1	2
BUSI96010 Entrepreneurship Online (M/B)	1	2
AERO97067 Aircraft Systems Engineering and Aerial Vehicle Technology	2	3
Assessed by Coursework only		
AERO96008 Aerospace Vehicle Design	1,2	

Key:

M/B = Management/Business option

IH = Imperial Horizons

C/W = Coursework

MCQCT = Multiple Choice Question Class Test

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/>

Programme specifications contain information on the aims, objectives, learning outcomes, modules hours, ECTS as well as details of how our modules are delivered, see link below for full information.

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

4.2 Project (AE3 H41E) – TBC for AY2019/2020

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 AERO97010 Individual Project (2019-20) 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.

Full project information can be found on the project folder on Blackboard.

 <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/>

The project will occupy about 200 hours and will run from the third to the eighth week of the Summer term (starts immediately after the Summer exams). For some projects it may be necessary to have equipment and specimens manufactured in the workshops; for others there may be limited availability of test facilities (eg. wind tunnels, tensile test machines etc.) so you should discuss your work programme with your project supervisor early in the Spring term.

5. AE4 H41E Programme Summary

5.1 Programme Summary (AE4 H41E)

The table below lists all the optional subjects currently offered to AE4 H41E students on the Erasmus/Exchange programme (revised annually) by the Aeronautics Department. 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 be subject to alteration.

Modules	Term Taught	Term Exam Held
Formal Examinations		
AERO96007 Separated Flows & Fluid-Struct Interaction OR	2	3
AERO96012 Mathematics	2	3
AERO96011 Materials Modelling	1	2
AERO96014 Computational Fluid Dynamics OR	1	2
AERO96020 Advanced Manufacturing	1	2
AERO97006 Applications of Fluid Dynamics (IDX)	1	2
Language ((IH) OR	1,2	2
Non-Language (IH)	1,2	2
AERO96016 Advanced Propulsion OR	2	3
BUSI96005 Project Management (M/B)	2	C/W & MCQCT
BUSI96009 Corporate Finance Online (M/B)	2	3
AERO96019 Innovation Management (M/B)	1	2
BUSI96010 Entrepreneurship Online (M/B)	1	2
AERO97067 Aircraft Systems Engineering and Aerial Vehicle Technology	2	3
AERO97007 Structural Dynamics	1	2
Assessed by Coursework only		
AERO97051 Applied Computational Aerodynamics	1	
AERO96008 Aerospace Vehicle Design	1,2	
AERO97010 Individual Project	3	

Key:

M/B = Management/Business option

IH = Imperial Horizons

C/W = Coursework

MCQCT = Multiple Choice Question Class Test

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/>

Programme specifications contain information on the aims, objectives, learning outcomes, modules hours, ECTS as well as details of how our modules are delivered, see link below for full information.

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

5.2 Project (AE4 H41E)

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 AERO97010 Individual Project (2019-20) 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.

Full project information can be found on the project folder on Blackboard.



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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/>

The project will occupy about 200 hours and will run from the third to the eighth week of the Summer term (starts immediately after the Summer exams). For some projects it may be necessary to have equipment and specimens manufactured in the workshops; for others there may be limited availability of test facilities (eg. wind tunnels, tensile test machines etc.) so you should discuss your work programme with your project supervisor early in the Spring term.

5.3 Erasmus Learning Agreements (AE4 H41E)

Any changes or signature required for your learning agreements then please contact the Department Exchange/Erasmus Coordinator.