

# Preparation for IIB

The 2018-19 IIB Modules and Sets list as approved by the Faculty Board of Engineering can be found [here](#).

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## Part IIB Surveying module (4M9)

It is expected that this module will be held in Scotland from Sunday 1 July to Saturday 14 July 2018 (i.e. at the start of the Long Vacation and 3 months **before** other Part IIB modules). The number of places is limited, and if oversubscribed, a ballot will be held in the week commencing 28 May 2018, with priority given to students taking Engineering Area 4: Civil, Structural and Environmental Engineering.

If you would like to be considered for a place on this module, you should keep these dates free of other commitments and contact Mr Aylmer Johnson as early as possible and by Friday 25 May 2017 at the latest.

All students wishing to be considered for this module should already have surveying experience, e.g. from the Surveying Engineering Area Activity or the Part IIA Fieldwork Project. The list of those accepted will be published by Tuesday 28th May 2018.

Please note that each student will be asked to contribute £160 towards the cost of accommodation. The module is heavily subsidized by the Department and the University, and no funds are available toward the £160 cost.

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## Part IIB project Introduction

### Summary

Roughly half of your final year will be spent working on a major individual project of your own choosing. The project will usually involve design, research and/or computer work at a high technological level on a topic of practical relevance. There are two types of fourth year project, either of which may involve collaboration with an industrial company:

- **Type (a)** are offered by staff and cover a wide range of areas relating to their research interests.
- **Type (b)** are projects that you propose yourself, which may then be approved by the Department. Any such project must be approved by the Coordinator of the appropriate Group, and a member of CUED staff must be willing to act as supervisor. Arrangements to undertake this type of project should begin during the Lent Term of Part IIA.

Your project is a very important part of the final year and is expected to take up roughly half your working time throughout the whole of that year. Given the amount of effort involved, it is essential that you find a project which will engage your interest. A good project will be one that stretches your ability in the skills which you have acquired on the Cambridge engineering course and will give you opportunity to show initiative in more than one area of engineering activity, such as experimentation, design, computing or analysis.

For detailed information see:

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- [Part IIB project selection procedure](#)
- [Part IIB project importance, overview and aims](#)

### Important landmarks in the project period

- **Lent and Easter terms (Part IIA)** - Details of type (a) projects will be posted on COMET. During the first part of the Easter Term, you will be asked to look through and discuss the projects of interest to you with the members of staff offering them. You will then enter a provisional selection of 3 projects in order of preference into the allocation procedure. Remember, early action is especially necessary if you wish to propose your own project (type (b) projects).
- **Long vacation between Parts IIA and IIB** - for some industry-linked projects, there may be investigations at an industrial site. Background reading and preparation should be undertaken by all students: ask your supervisor for some suitable preparatory work so you can hit the ground running in October.
- **Michaelmas term (Part IIB)** - you will be required to keep a log book or equivalent electronic record, which will be checked regularly by your supervisor. Its content may be taken into account in the assessment of your project. There will be credit available for progress and industry throughout the year.
- **End of Michaelmas term (Part IIB)** - you will be required to give a 10-minute presentation to staff and other project students, explaining what the project is about and how much progress has been made. The presentation is assessed.
- **Start of Lent term (Part IIB)** - the technical milestone report (TMR) is submitted. This is a formal report, on not more than 6 sides, produced to camera-ready standards. It gives details of the progress on the project to date, the results obtained and presents plans for the remainder of the work.
- **Middle to end of Easter term (Part IIB)** - the final project report and a technical abstract are submitted. You will also be required to give a 10 minute presentation focused on the most significant aspects of the project work. Guidance notes on the form to be taken by the report and the presentations will be issued during the Michaelmas term.

**Source URL (modified on 08-06-18):** <https://teaching17-18.eng.cam.ac.uk/content/preparation-iib>