

EBU4201 (2023/24): Introductory Java Programming

Lecturers	Teaching Blocks	Student Classes
Dr Habiba Akter (*) ✉: h.akter@qmul.ac.uk	1+2 3+4	01-05 and 06-07
Dr Paula Fonseca ✉: paula.fonseca@qmul.ac.uk Dr Chao Liu ✉: c.liu@qmul.ac.uk	1+2 3+4	8-10
Dr Paula Fonseca ✉: paula.fonseca@qmul.ac.uk Dr Manolis Chiou ✉: m.chiou@qmul.ac.uk	1+2 3+4	11-13 and 14-16
Dr Vindya Wijeratne ✉: vindya.wijeratne@qmul.ac.uk Dr Jingqi Liu ✉: jingqi.liu@qmul.ac.uk	1+2 3+4	17-20 and 21-24



Labs and other coursework will be supported by several **Demonstrators**.

(*) Module Organiser

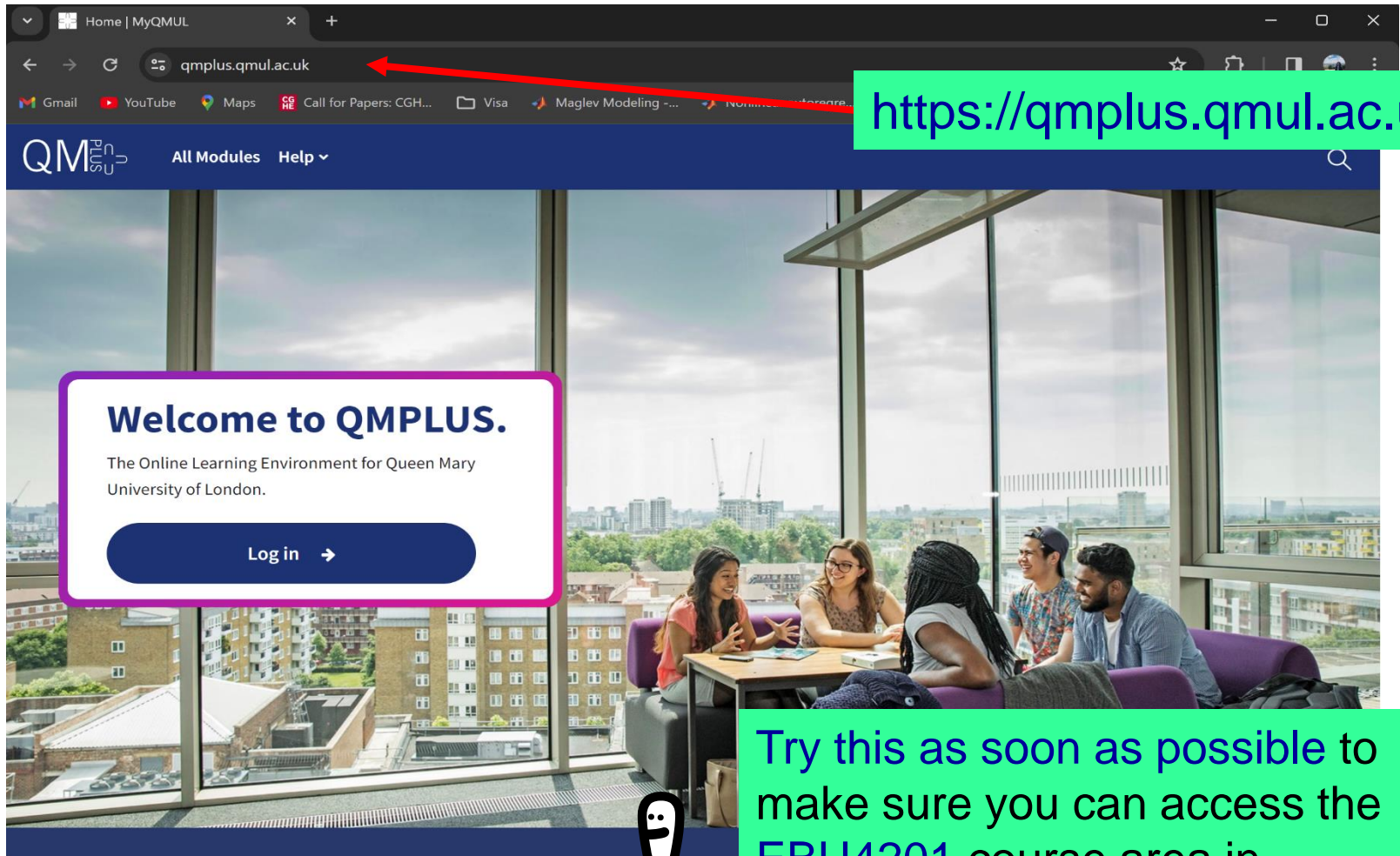
Important Module Information (1/5)

- Course website:
 - Login to QMPlus → <https://qmplus.qmul.ac.uk>
 - Use your *QMUL account*
 - Course Area: **EBU4201 – Introductory Java Programming – 2023/24**
 - **Check it regularly**, as we will put there information related to, e.g. *extra practice exercises*
- Email:
 - You are expected to check your **QMUL email account** every week!
 - You can link your QMUL email account to your BUPT account



Emails sent to lecturers must be only from your **official** student email accounts (jp21xx22xxx@qmul.ac.uk or 21xx22xxxx@bupt.edu.cn); emails from other accounts are ignored.

Important Module Information (2/5)



Home | MyQMUL

qmplus.qmul.ac.uk

QM^{PLUS} All Modules Help


Welcome to QMPLUS.

The Online Learning Environment for Queen Mary University of London.

Log in →

<https://qmplus.qmul.ac.uk>

Try this as soon as possible to make sure you can access the EBU4201 course area in QMPLUS!!!



Important Module Information (3/5)

- Message board:
 - Use the **Student Forum** activity in the EBU4201 course area
 - This is for all general questions related to the module [**BUT** *no personal questions please*]
 - Check existing discussions in the forum, before posting a new question
 - You **must not** post code on the **Student Forum**



The **Student Forum** is the primary way of communication in this module.

- Feedback:
 - Please give feedback to lecturers, either during or straight after the live sessions (by using the **Student Forum** on QMplus)
 - Do **not** wait until the next **SSLC** meeting

SSLC = Student-Staff Liaison Committee

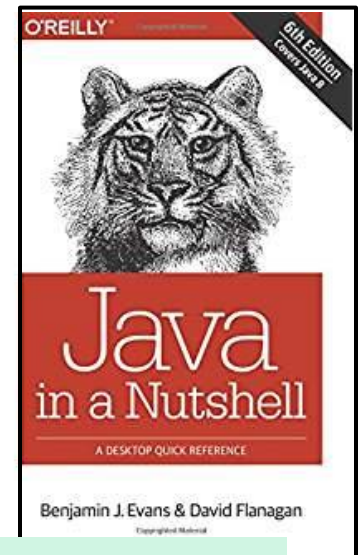
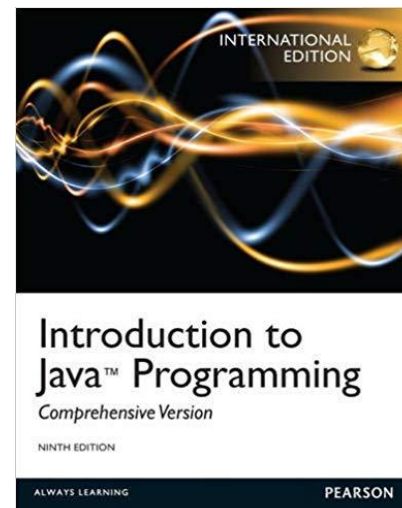
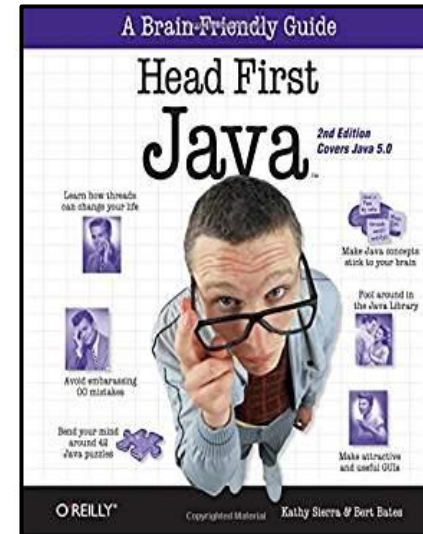
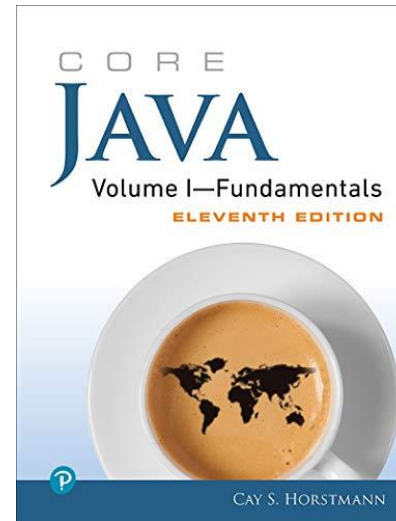
Important Module Information (4/5)

- **Lecture sessions:** sets of 45 minutes *each teaching block*
 - **Format:**
 - **Live** → in classroom via MS Teams; feel free to bring your laptop/tablet for interaction during the session
 - **Face to Face** → in classroom on campus

Please note that the lectures will not be recorded
- **Tutorial/Office Session:** 45 minutes *each teaching block*
 - **Format:**
 - During the session, (a subset of) the previously provided **Practice Exercises** is used for discussion and revision of the topics covered
 - This is also an **opportunity for students to ask questions** about the teaching block topics
 - **Recommendation:** Make sure you participate in your scheduled **Tutorial/Office Hour** session to understand the exercises and their solutions

Important Module Information (5/5)

- **Lecture Notes:**
 - Available in QMplus a few days **before Lectures**
 - Get them from the **Teaching Block x** topic of this course area in QMplus
- **Recommended Textbooks:**
 - **Details:** see topic **Important Module Information** of this course area in QMplus
- **Other Reading Resources:**
 - See the **Recommended Reading** and **Useful Resources** sections, inside each of the **Teaching Block x** topics of this course area in QMplus



Module Aims and Objectives

- The module provides:
 - an introduction to Object Oriented Programming using Java
 - an introduction to practical programming skills
- The module aims to give each participant:
 - knowledge of the basic concepts of programming in an object-oriented language
 - knowledge of the basic features of the Java programming language
 - practice in developing simple object-oriented programs
 - solid foundation to successfully take module EBU6304 (Software Engineering) in year 3

Module Syllabus

- Teaching Block 1

- Basic history of Java
- Basic Java constructs
- Introduction to Object-Oriented (OO) Programming
- OO Examples

- Teaching Block 2

- Arrays
- Designing and Writing a Java Program
- Inheritance
- Abstract Classes
- **Object** class

- Teaching Block 3

- Interfaces - 26
- Basic GUI – 44
- Garbage Collection (GC) - 30

- Teaching Block 4

- Numbers and Strings – 38 + 28
- Exceptions and Assertions - 36
- File I/O - 22
- Collections and Sorting - 21

GUI = Graphical User Interface

Module Assessment Components

- 60% Final Examination
 - Total of 4 compulsory questions from all the topics covered in the lectures
 - Duration: 2 hours
- 40% Coursework, made up of:

Mid-Term Test (Teaching Blocks 1+2, Labs 1+3)	15%
End-of-Term Test (Teaching Blocks 3+4, Labs 5+7)	15%
Mini Project	10%

- 4% **Bonus** marks!!



Assessment: Mid-Term Test & End-of-Term Test

- Set of **multiple choice questions** including a mixture of theoretical and programming questions from the lecture topics.
- **Mid-Term Test:**
 - **Scope:** Topics from Teaching Blocks 1+2 and Labs **1+3** (questions asked directly about the lab exercises)
 - **Duration:** 60 minutes.
 - **Schedule:** Check QMPlus
- **End-of-Term Test:**
 - **Scope:** Topics from Teaching blocks 3+4 and Labs **5+7** (questions asked directly about the lab exercises)
 - **Duration:** 60 minutes.
 - **Schedule:** Check QMPlus



IMPORTANT [Applies to the Mid-Term and End-of-Term Tests]

1. Each test is completed individually in QMplus.
2. After each test, students get **automatic feedback** based on the questions they answered incorrectly.
3. Review requests can be made within the provided deadlines.

Assessment: Labs & Mini-Project

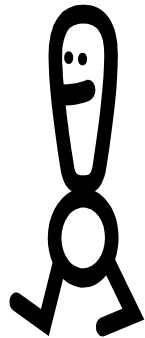


Lab work is
not submitted.

- **8 Lab Experiments:** Executed individually during an expected **2 hours** timeslot
 - The allocated lab timeslot may **not** be sufficient – you will likely have to spend extra time each week working on your code
 - Do **not** work as a group – it is important that each student understands the exercises themselves
 - Labs **1+3+5+7** **are assessed**; as part of MTT and ETT.
- **Mini-Project:** **+ you get feedback**
 - Students are given a **problem specification**, from which **they design and implement a Java application**, that **must satisfy all the requirements** in the problem specification
 - Executed **individually** by each student (over a **2.5 weeks** period), and **submitted via QMplus**
 - **Individual feedback** provided via a marking sheet

Module: Regulations (1/2)

- Applying for **Exenuating Circumstances (EC)** if you miss an assessment:
 - Students must submit claims as soon as possible (by filling in a form), and at the latest:
 - For **coursework**: within 7 days of that coursework's deadline.
 - For **examinations**: within 14 days of the examination.
 - Claims submitted after this deadline will NOT be considered.
 - Information about ECs is in QMplus in the “JP/JEI Student Information Centre” at
(<https://qmplus.qmul.ac.uk/course/view.php?idnumber=BUPT-Home>).



Examples of things that are **not ECs**:

- planned holidays;
- job interviews;
- GRE or IELTS preparation or test;
- misreading timetables;
- computer problems;
- not being aware of rules or procedures.

Module: Regulations (2/2)

- To pass the module, you need to:
 - Pass the Coursework (i.e., achieve a $\geq 30\%$ mark, in QMUL scale)
 - AND
 - Your combined (Exam + Coursework) mark must be $\geq 40\%$, in QMUL scale
 - Attention: If you fail the Coursework, then you fail the module regardless of your Exam mark
- Additional Information:
 - Please consult your “Student Handbook”.

Plagiarism is strictly forbidden!

- What is it?
 - The reproduction of ideas, words or statements of another person without appropriate acknowledgement.
 - Examples:
 - A student knowingly permits another to turn in his/her work.
 - Presenting someone else's work as your own, without giving due credit.
- All students must complete their own work and are expected to behave with integrity at **all** times.



Plagiarism is strictly forbidden; *there are severe penalties* when detected! More information about this is in your **Student Handbook**.

Ground Rules: Lecture and Tutorial Sessions

- Arrive on time for the session!
 - Participate by asking productive questions.
-
- *If you do not understand something said during a lecture or tutorial:*
 - Ask the lecturer by raising your hand **OR**
 - Make use of Mentimeter (details will be provided at the session start) to type your question **OR**
 - Post your question to the **Student Forum** in QMplus afterwards.

How to Succeed

To succeed, you MUST ...

- Do all the exercises (from lectures, tutorials, labs) by yourself
- “Attend” all lectures and labs
- Read books and the teaching materials in QMplus
- Do additional practice exercises
- Remember to access QMplus at least once per week, to check for news/updates
- **ASK!** (Lecturers and Demonstrators)
- Aim to fully understand new concepts



How to Fail

You WILL fail if you ...

- Relax too much
- Don't assimilate the material covered in lectures
- Don't attend labs
- Don't ask for help
- "Borrow" from "others": they can't help you in the exam

