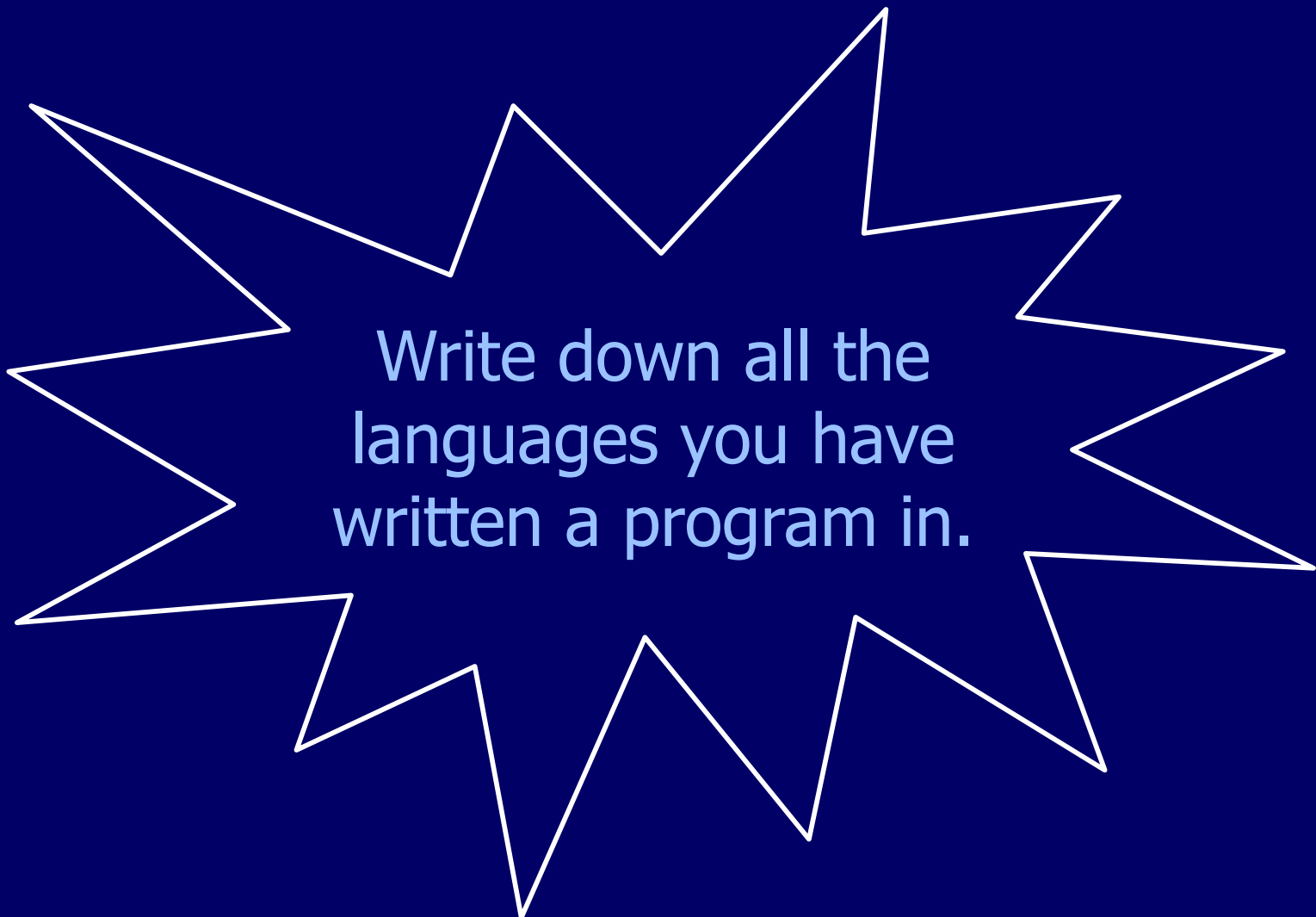


PROGRAMMING PARADIGMS



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Exercise



Write down all the
languages you have
written a program in.

Background

In programming and algorithms, you learned the basics of imperative programming in C:

- Variables and assignments;
- Basic control structures;
- Basic data structures;
- Functions and parameters;
- Pointers and memory management.

Background

In this module, you'll learn the basics of:

Object-oriented
programming
in Java

and

Functional
programming
in Haskell



Lectures

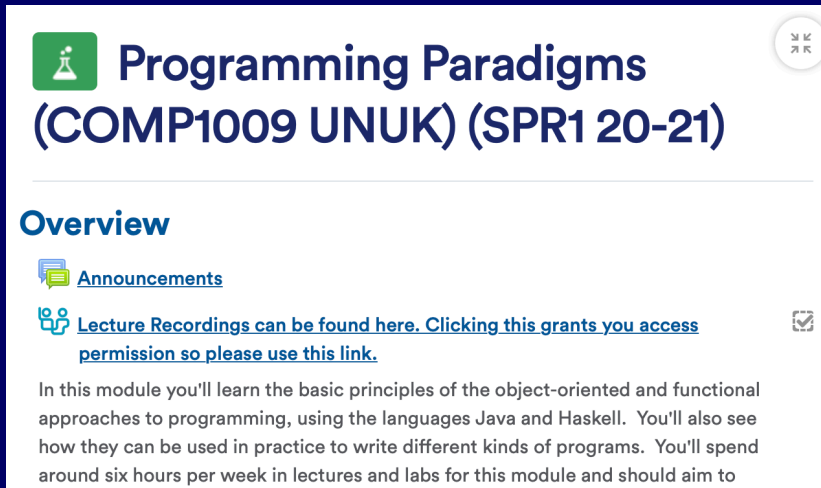
- Tuesdays, 11.00 – 12.00, Java;
- Wednesdays, 12.00 – 13.00, Haskell;
- Thursdays, 11.00 – 12.00, Java;
- Fridays, 09.00 – 10.00, Haskell.

Labs

- Fridays, 14.00 – 16.00

Course Materials

Everything you need is available on moodle:

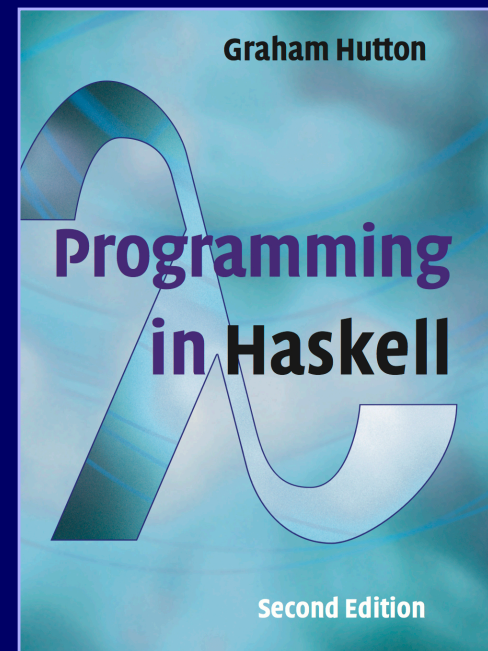
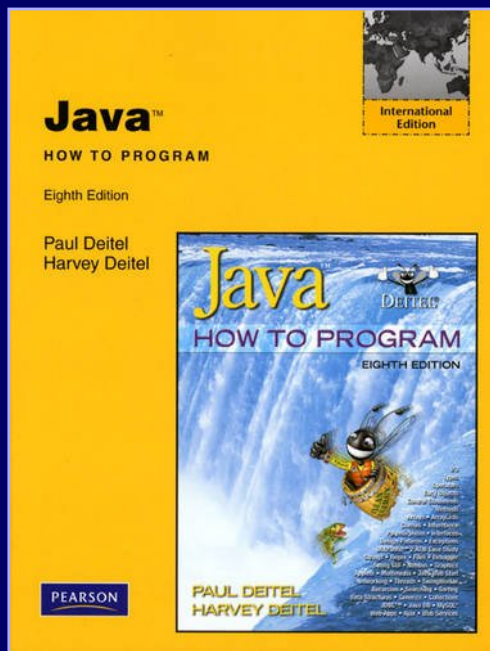


The screenshot shows a Moodle course page. At the top, there is a green icon of a flask and the course title "Programming Paradigms (COMP1009 UNUK) (SPR1 20-21)". Below the title is a section labeled "Overview". Under "Overview", there is a link "Announcements" with a speech bubble icon. Below that is a link "Lecture Recordings can be found here. Clicking this grants you access permission so please use this link." with a link icon. At the bottom of the overview section, there is a paragraph of text: "In this module you'll learn the basic principles of the object-oriented and functional approaches to programming, using the languages Java and Haskell. You'll also see how they can be used in practice to write different kinds of programs. You'll spend around six hours per week in lectures and labs for this module and should aim to".

See: tinyurl.com/G51PGP-2021

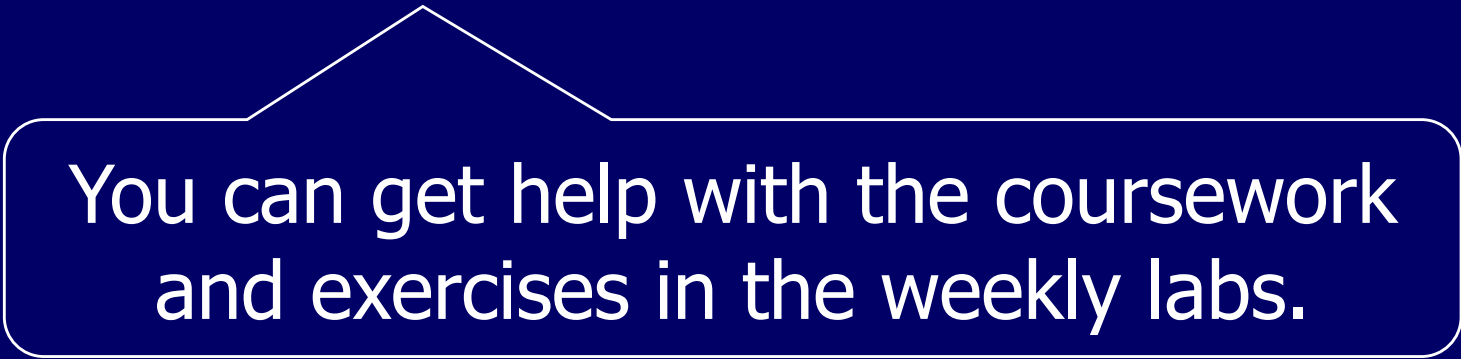
Textbook

In addition to our course materials, there is also a recommended textbook for each paradigm:



Assessment

- Java coursework (15%);
- Haskell coursework (15%);
- Written examination (70%).



You can get help with the coursework
and exercises in the weekly labs.