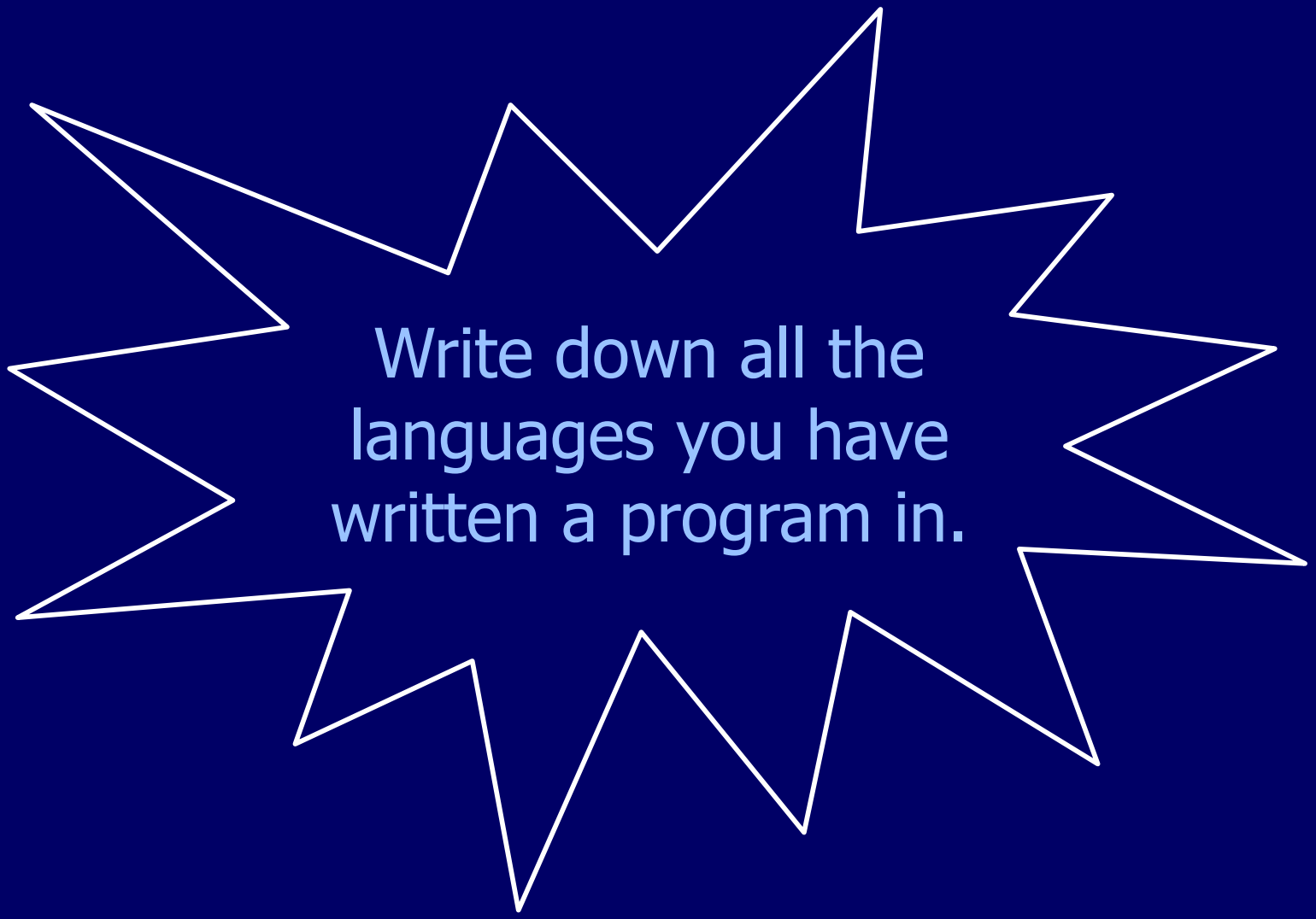
PROGRAMMING PARADIGMS

"I'm afraid you've had a paradigm shift."

Jason Atkin and Graham Hutton
University of Nottingham

Exercise



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

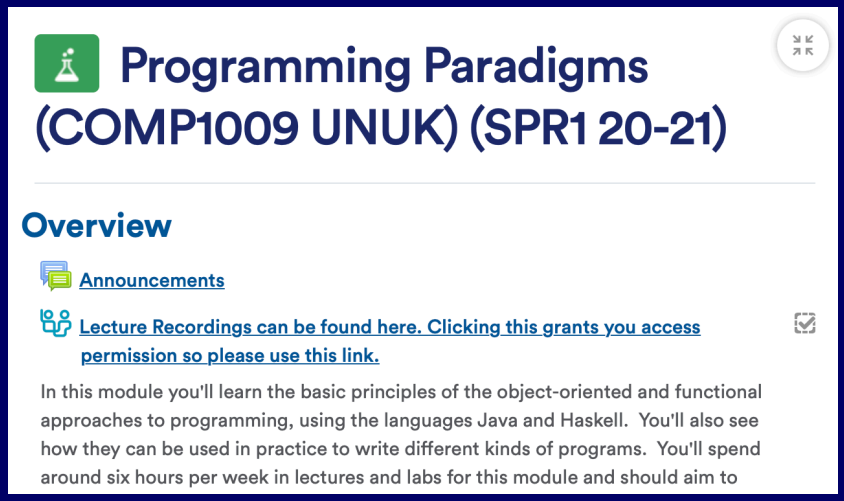
- Tuesdays, 11.00 – 12.00, Java;
- Wednesdays, 12.00 – 13.00, Haskell;
- Thursdays, 11.00 – 12.00, Java;
- Fridays, 09.00 – 10.00, Haskell.

Labs

- Fridays, 14.00 – 16.00

Course Materials

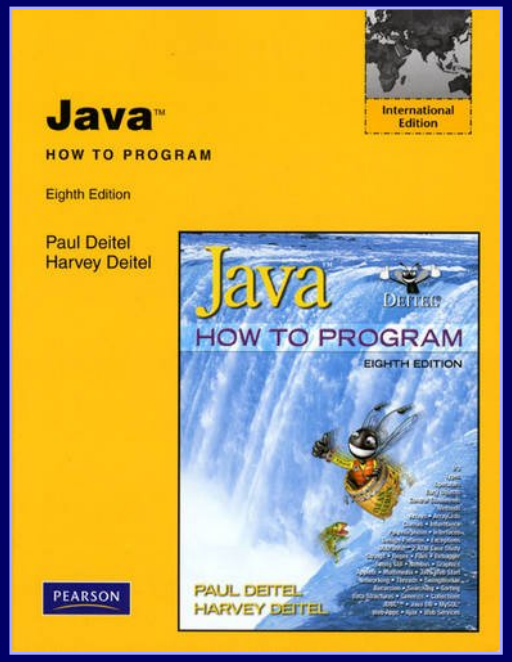
Everything you need is available on moodle:

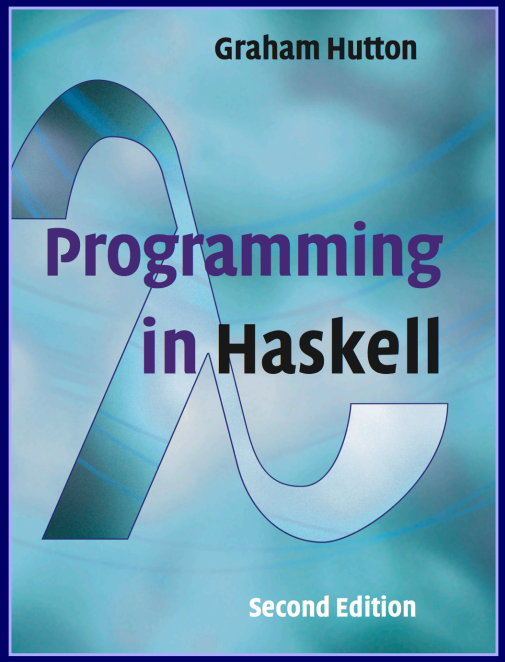


See: tinyurl.com/G51PGP-2021

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.