



# Course Introduction

COMP16321 – Introduction to Programming 1

Gareth Henshall

Lecturer in Computer Science

# Meet the Staff



**Gareth Henshall** (course unit leader)

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# The Course Unit

We will be looking at two main topics:

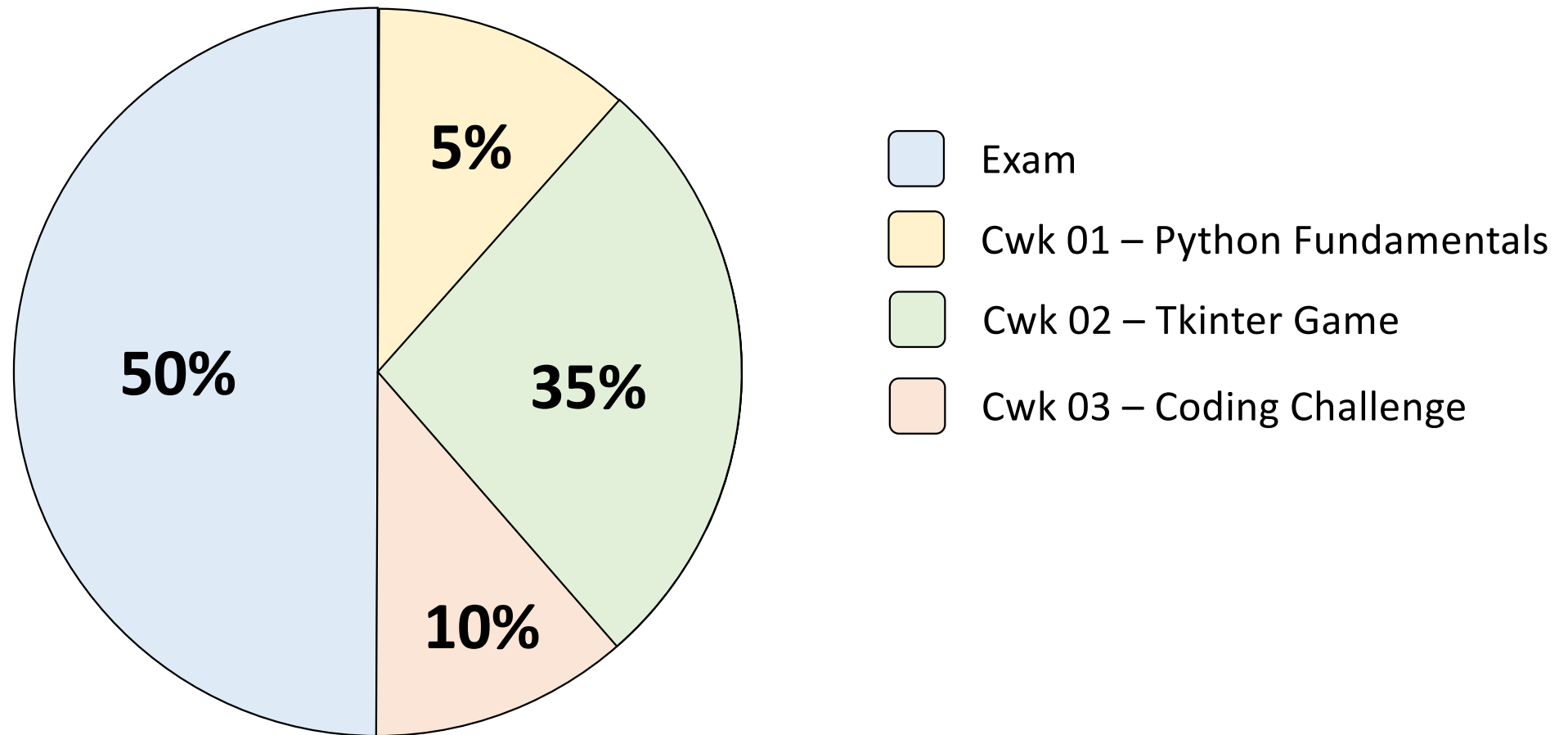
1. Fundamental Programming Skills
2. Applying these Skills
3. Extra Topics

The Blackboard page includes:

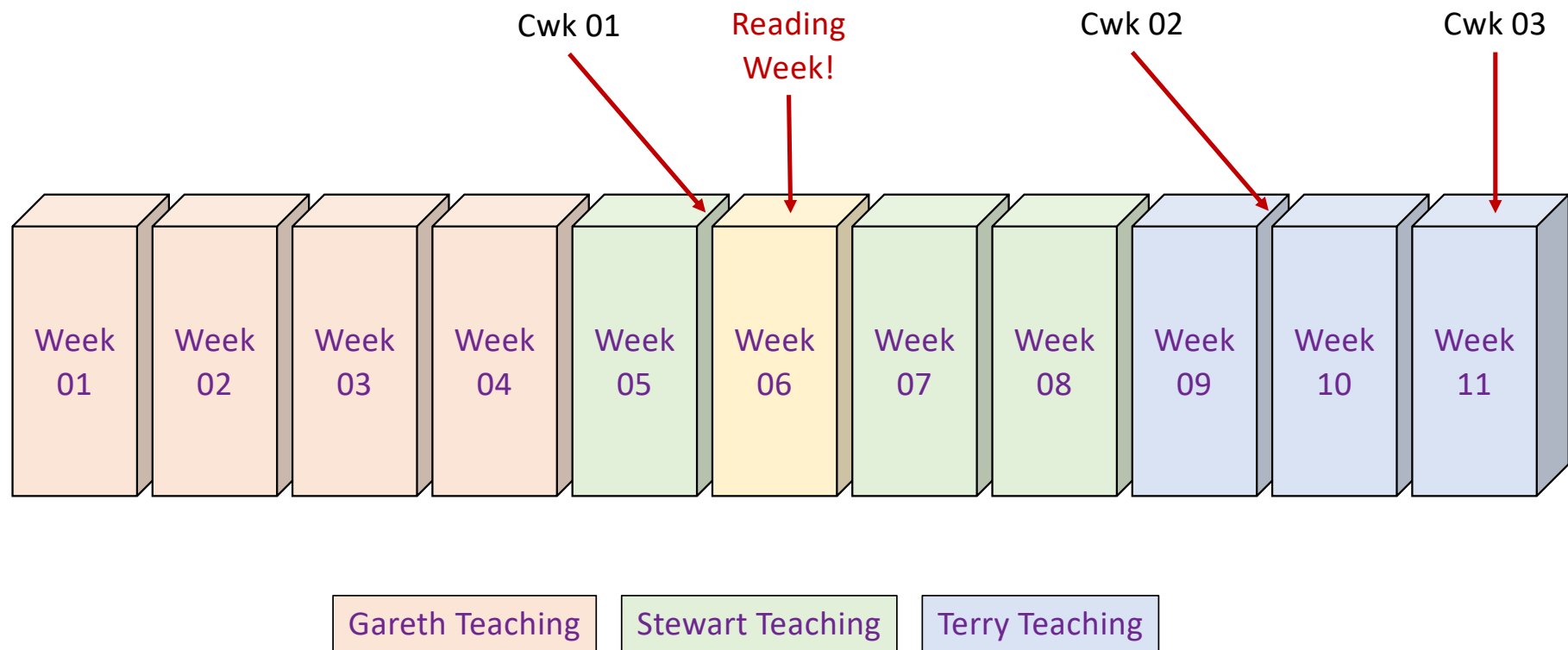
- The course unit on a week by week basis
- Links to necessary & extra materials
- Links for your coursework

We focus on Learning by Doing!

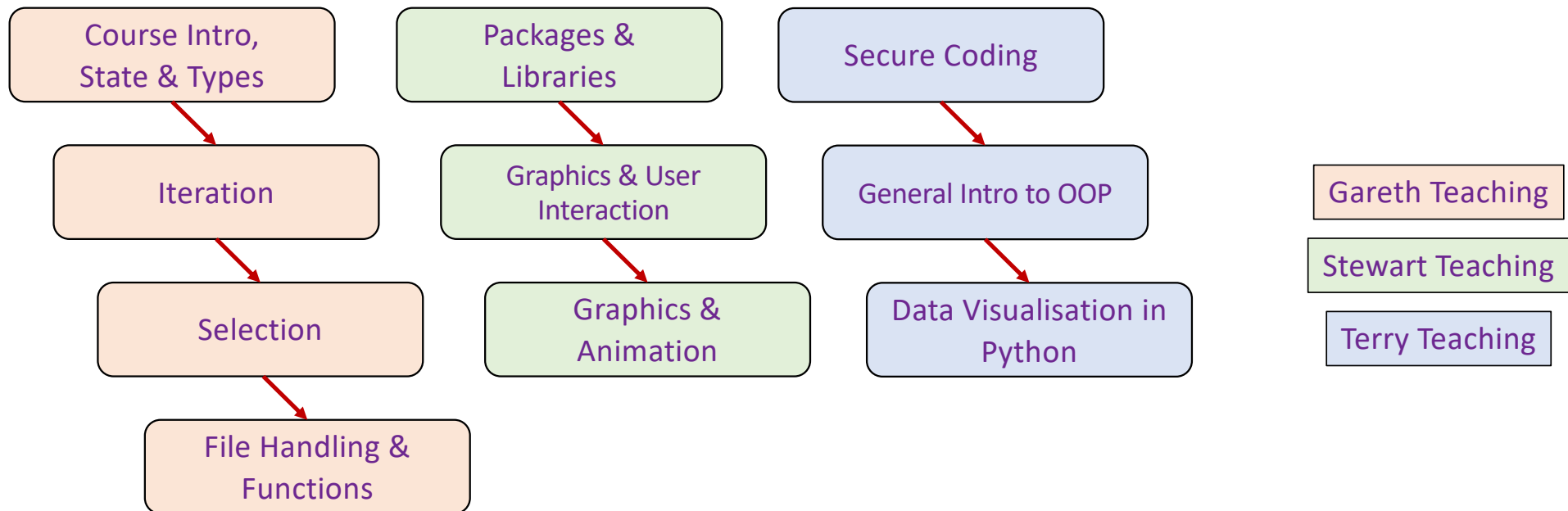
# Summative Assessments



# Lecture Plan



# Course Content





# Weekly Structure

## Asynchronous:

- Weekly Videos
- Laboratory Script
- MCQs

## Synchronous:

- Drop-In Lab Sessions (Mondays from Next Week)
- Workshops (Various Days, see Timetable)
- Live Lecture (Thursdays at 09:00)

# COMP16321 Lab Exercises

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Welcome to the COMP16321 lab exercise web portal. Here you will find the **formative** labs you are expected to work through during this course unit. You can ask us any questions that you may have in the course's [discussion boards](#). Happy Coding!

**Week 0 - Lab Submission with Git**

**Week 1 - States and Types**

**Week 2 - Iteration**

**Week 3 - Selection**

**Week 4 - File Handling**

**Week 5 - Functions**

**Week 7 - Libraries & Tkinter**

**Week 8 - Libraries & Animation**

**Week 9 - PEP8 & Secure Coding**

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[Discussion](#)

[Blackboard](#)

[SPOT](#)



# Lecture Series

Git

How to Tackle  
Programming

Dicky - *Disney  
Streaming*

Git in Industry  
*Karl - Wakelet*

Debugging Code

Text Editors Vs. IDEs

PhD Students

And More...

# Why Python?

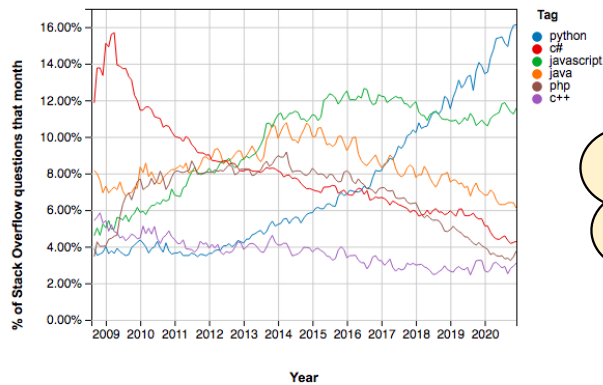
Big  
Companies  
Like It

Simplicity

Automation

Versatile

Fastest  
Growing



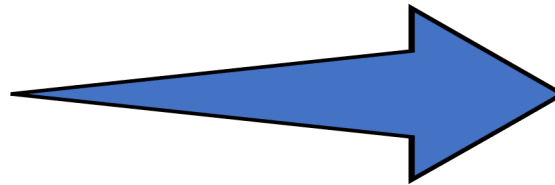


# **Do I Need the Lab Machines for Python?**



# **What Text Editor or IDE should I use?**

# Why Do We Need This Course?





# Self Study

We try to cover as much material as possible in the lectures

# Summative Assessments

- Its covers all of the phases of programming
- Summative assessment
  - Marks on SPOT
  - Individual Feedback
- Will be Available in Blackboard!
- Submission is through GitLab & Gradescope

## **Coursework 01 Deadline:**

- Friday 27<sup>th</sup> October @ 18:00

## **Coursework 02 Deadline:**

- Friday 24<sup>th</sup> November @ 18:00

## **Coursework 03 Deadline:**

- Friday 8<sup>th</sup> December @ 18:00



# Deadlines, Extensions & Penalties

Each coursework has a **deadline**.

If you submit after the deadline your submission is flagged as **late**.

For each coursework, the deadline for an exercise is stated within the exercise script and in Blackboard





# Feedback for You!

Sometimes this is **planned and formal** (e.g., written comments on submitted work), more often it **unplanned and informal** (e.g., when you ask for clarification or help in an examples class or lab session).

Sometimes feedback is **interactive** (as in timetabled activities such as lectures, examples classes and lab sessions).

Feedback can be on anything in the course unit (and on programming more generally).

# Discussion Boards

<input type="checkbox"/> FORUM	DESCRIPTION	TOTAL POSTS	UNREAD POSTS	UNREAD REPLIES TO ME	TOTAL PARTICIPANTS
<input type="checkbox"/> <a href="#">General Organisation</a>	Use this forum for general questions about course organisation	2	0	0	2
<input type="checkbox"/> <a href="#">Questions on Lecture Material</a>	Use this forum for questions about lecture material	0	0	0	0
<input type="checkbox"/> <a href="#">Live Lecture Questions</a>	Please use this forum to raise issues that you would like discussed in the live synchronous sessions	0	0	0	0
<input type="checkbox"/> <a href="#">Coursework</a>	Use this forum to discuss any issues relating to the Coursework.  Clarifications are fine, but please do <b>not</b> discuss the details of particular exercises before the submission dates.	0	0	0	0
<input type="checkbox"/> <a href="#">Laboratories</a>	Questions relating to the laboratories	2	0	0	2
<input type="checkbox"/> <a href="#">Workshops</a>	Questions relating to the workshops	0	0	0	0
<input type="checkbox"/> <a href="#">Exam</a>	Questions relating to the exam	0	0	0	0
<input type="checkbox"/> <a href="#">Feedback</a>	A place for you to suggest any ideas you may have for how we can best help you during this time and improve the course for the future	0	0	0	0



# Feedback to Us!

We hope you enjoy the course!