



Y2 computing: introduction for demonstrators

Part of Y2 skills,
<https://canvas.bham.ac.uk/courses/44255>

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30 September 2020

- ❖ Session leads: Dr Steve Hillier (sjh@hep.ph.bham.ac.uk),
Dr Mark Slater (mws@hep.ph.bham.ac.uk).
- ❖ Demonstrators (**12**): Adrien Auriol, Dr Ian van Beek, Riccardo Buscicchio, Andras Dorozsmai, Emily Hatt, Philip Jones, Riccardo Maggiore, George McArdle, Jonathan Mulvey, James Pallister, Lucy Thomas, Adam Tomczak.

Lab session schedule

Contact hours: 32

- ❖ The lab runs for 8 weeks (weeks 3–7 and 9–11).
- ❖ The 189 students are divided into 4 lab groups (of 42–51 students each).
- ❖ In total, 32 lab sessions; each session is 2h long:
 - ✓ group C2, Mondays 2pm–4pm;
 - ✓ group C1, Mondays 4pm–6pm;
 - ✓ group C4, Tuesdays 2pm–4pm;
 - ✓ group C3, Tuesdays 4pm–6pm.
- ❖ First session: 12 Oct, last session: 8 Dec.
- ❖ Each demonstrator should cover 16 sessions (i.e. 32 contact hours).
This is either two 2h sessions per week, or one 4h session per week.
- ❖ Therefore, 6 demonstrators in each session, *on average*.
- ❖ **Let me know** your preferences (2pm–4pm, 4pm–6pm, or 2pm–6pm),
and if you cannot cover any sessions, by 2 Oct.
We will accommodate your preferences as much as possible.
- ❖ The rota will be circulated by 5 Oct.

Zoom details

Contact hours: 32

- ❖ Lab sessions will run via zoom.
We are expected to be in the same physical room (P09).
Let me know in case you cannot attend the lab in person.
- ❖ A limited number of students might also work in P09.
- ❖ **Zoom connection:**
“Zoom” menu on the left-hand side in the Canvas page;
select the correct lab session; use your University ID to log in.
- ❖ Check out the Netiquette:
<https://www.birmingham.ac.uk/university/hefi/HEFi-Support-For-Education-Framework/Netiquette.aspx>
- ❖ Demonstrators will be in dedicated zoom room;
students will work in groups of 4 in zoom **breakout rooms**.
 - ✓ When students “**Ask for help**”, the session host will move a demonstrator into their breakout room.
 - ✓ Demonstrator talking to the students can also “**Ask for help**” to invite another demonstrator.
 - ✓ When finished talking to students, leave to the demonstrators’ room.
- ❖ **Zoom test** for demonstrators and session leads: **6 Oct at 2pm.**

Outside the lab sessions

Non-contact hours: 16

- ❖ **Before week 3, new demonstrators:** please check the Canvas pages, download and install **Anaconda** following instructions on Canvas, and familiarize yourselves with the basics of **Jupyter notebooks**.
- ❖ The students will complete **three consecutive assignments**, each contained in a separate Jupyter notebook:
 - ✓ assignment 1: weeks **3–4**;
 - ✓ assignment 2: weeks **5–7**;
 - ✓ assignment 3: weeks **9–11**.
- ❖ **Assignments for the students** will be published on Canvas on the day of their lab session in **weeks 3,5,9**.
- ❖ **Weeks 1,4,8: demo assignments** will be emailed to you. Identical to students' but with a section at the bottom to check the marks. Try to **solve them** before students receive them; do not share them!
- ❖ **Weeks 5,8,12:** marks generated automatically by a script will need to be checked (~**15** scripts/demonstrator), ideally within **2** days. Further details will be provided in due time.