

Schedule Collaborative Scientific Software Development

General schedule:

09:00 (room open)
09:10 Morning session 1
10:30 coffee break
10:50 Morning session 2
12:10 lunch break
13:10 Afternoon session
around 15:00 flexible coffee break
around 17:00 close

On the first day, we start later to allow for arrival of the participants. On the last day, we aim to finish by 15:00.

Tuesday, 5 March:

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10:30 Arrival
Introduction to the course
Maintainable code
Warm-up coding exercises

Wednesday, 6 March:

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Life cycle of a project:
Best practices, useful tools, user interactions

Thursday, 7 March:

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Testing, Debugging, Packaging
Continuous integration and deployment

Friday, 8 March:

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Python for science applications: numpy, scipy, matplotlib
Fundamentals of object oriented programming

Monday, 11 March:

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Documentation for users and developers
Git version control
Start the group projects

Tuesday, 12 March:

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Profiling, optimisation
Linking across languages
Group projects

Wednesday, 13 March:

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Containers
Copyright and licensing
Group projects

Thursday, 14 March:

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Handling large data sets
Group projects
Presentation of results
15:00 close