Introduction

Corso: Strumenti Informatici B
2025/2026

David Goz

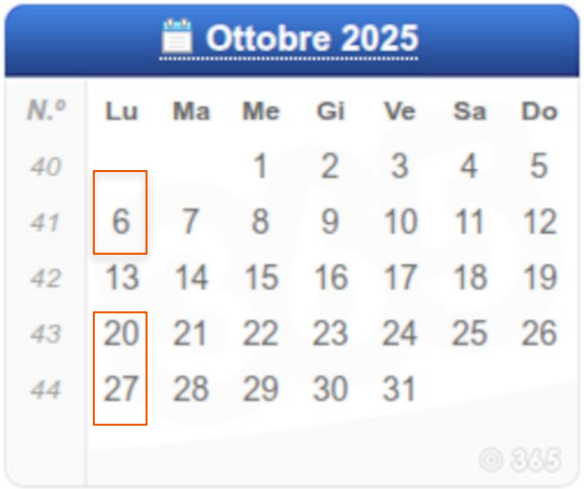
Link Moodle

https://moodle2.units.it/course/view.php?id=15801

Main goals of the course:

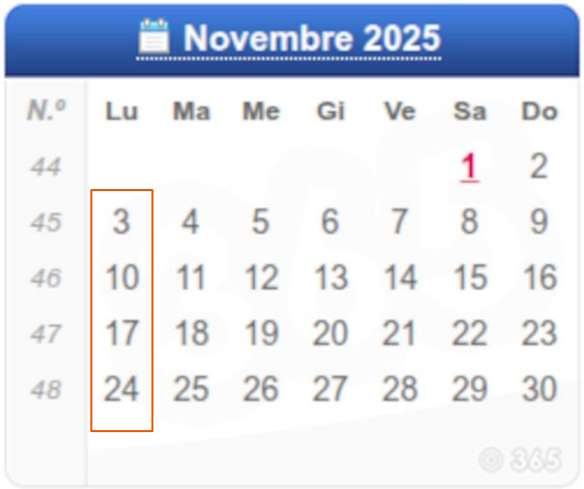
- know the basics of Linux commands, Bash and Python language;
- become familiar with different working environments (e.g. Shell, Git repository);
- write simple scripts.

Calendar



Ottobre 2025

N.º	Lu	Ma	Me	Gi	Ve	Sa	Do
40			1	2	3	4	5
41	6	7	8	9	10	11	12
42	13	14	15	16	17	18	19
43	20	21	22	23	24	25	26
44	27	28	29	30	31		



Novembre 2025

N.º	Lu	Ma	Me	Gi	Ve	Sa	Do
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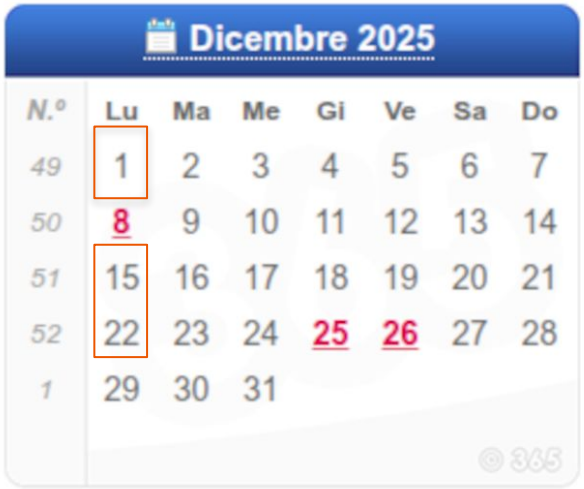
46	10	11	12	13	14	15	16
47	17	18	19	20	21	22	23
48	24	25	26	27	28	29	30



Dicembre 2025

N.º	Lu	Ma	Me	Gi	Ve	Sa	Do
49	1	2	3	4	5	6	7
50	8	9	10	11	12	13	14
51	15	16	17	18	19	20	21
52	22	23	24	25	26	27	28
1	29	30	31				

Timeslot: 16:00 pm -> 19:00

Contact and exam

Dr. David Goz

Office: Astronomical Observatory of Trieste via G.B. Tiepolo 11, 34143 - Trieste
Please send always an email to david.goz@inaf.it to schedule a meeting

Final exam:
Set of exercises and problems to be solved and sent for evaluation.

Learning material

Text books, bibliography and useful resources

- https://www.rigacci.org/docs/biblio/online/sysadmin/toc.htm
- https://www.tldp.org/LDP/abs/html/
- https://github.com/gtaffoni/Learn-Python/blob/master/Lectures/ShellLecture01.pdf
- https://github.com/gtaffoni/Learn-Python/blob/master/Lectures/ShellLecture02.pdf
- https://github.com/bertocco/bash_lectures

Learning material

Text books, bibliography and useful resources

- Numerical Python in Astronomy and Astrophysics - A Practical Guide to Astrophysical Problem Solving (Authors: W. Schmidt and M. Völschow;
- Think Python, 2nd Edition - How to Think Like a Computer Scientist (Author: A. B. Downey);
- How to Think Like a ComputerScientist (https://openbookproject.net/thinkcs/python/english3e/ index.html ;
- Python Scripting for Computational Science (Author: H. P. Langtangen);
- Parallel Programming with Python (Author: J. Palach).