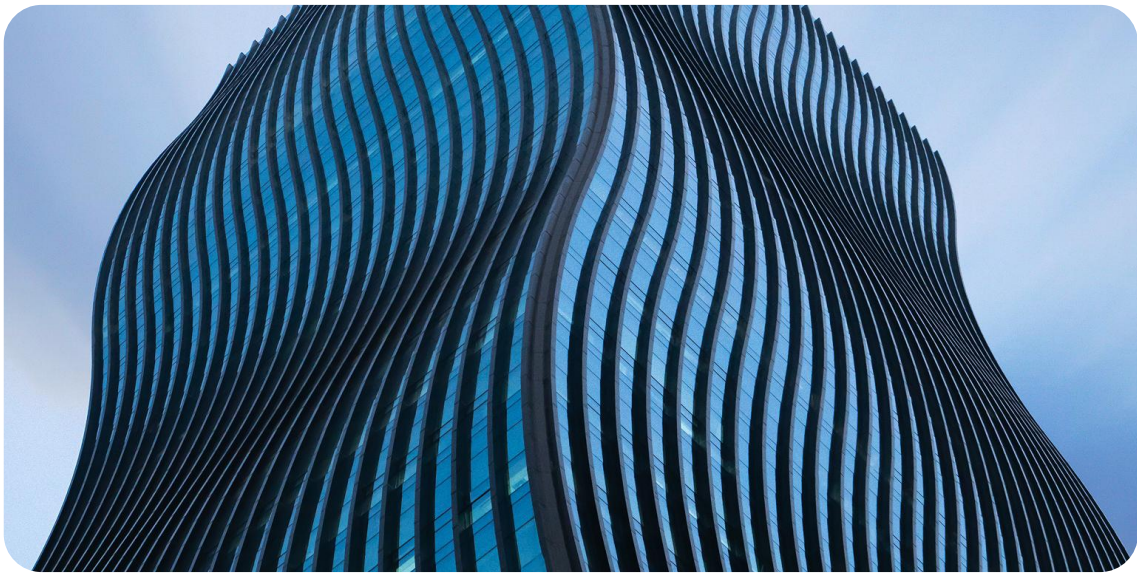


**SAPIENZA, UNIVERSITY OF ROME**  
COURSE OF APPLIED COMPUTER SCIENCE AND ARTIFICIAL  
INTELLIGENCE (ACSAI)  
3RD YEAR, 2ND SEMESTER

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## **ANALISI E CALCOLO NUMERICO**



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**NOTES BY LEONARDO BIASON**  
COURSE TAUGHT BY PROF. DOMENICO VITULANO



**SAPIENZA**  
UNIVERSITÀ DI ROMA

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## About these notes

Those notes were made during my three years of university at Sapienza, and **do not** replace any professor, they can be an help though when having to remember some particular details. If you are considering of using *only* these notes to study, then **don't do it**. Buy a book, borrow one from a library, whatever you prefer: these notes won't be enough.

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## Bibliography & References

- [1] S. C. Chapra, R. P. Canale. (2015) *Numerical Methods for engineers (Seventh edition)*, McGraw Hill

The "*Analisi e Calcolo Numerico*" course was taught in the Spring semester in 2025 by prof. Domenico Vitulano ([domenico.vitulano@uniroma1.it](mailto:domenico.vitulano@uniroma1.it))

I hope that this introductory chapter was helpful. Please reach out to me if you ever feel like. You can find my contacts on my [website](#). Good luck!

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# CAPITOLO 1

## Introduzione