Course unit: VBA

- Title in French: VBA
- Course code: tba
- ECTS credits: 1
- Teaching hours: 25h
- Type: elective course
- Language of instruction: French
- Coordinator: Daniel Roux
- Instructor(s): Daniel Roux

Brief description

This course is an elective course. It will be useful for anyone involved in Excel intensive use.

Learning outcomes

- Being able to use Excel and VBA to create scientific-based utilities

Course content

1. Excel: basic elements (graphics, formulas, solver).
2. VBA programing: Visual Basic editor, manipulating tables and cells, creating formulas
3. Add-Ins: using complementary external macros
4. Modeling: the structure of model; explicit, implicit and stochastic models
5. Interfacing: creation of userforms and menu bars

Bibliography

- Billo, E. J., “Excel for scientist and engineers: Numerical Methods”, Ed. John Wiley & Sons (2007)

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Last update: **2019/01/10 17:13**