

MOD3 – Advanced data analysis

Winter semester 2020/21



Noël Juvigny-Khenafou & Ralf Schäfer
Quantitative Landscape Ecology

Short Introduction

Noël Juvigny-Khenafou
Postdoctoral researcher

Current research:

- Community ecology - Biodiversity
- Multiple stressors
- Food-webs and meta-community



Prof. Ralf Schäfer
Working group head
Current research:

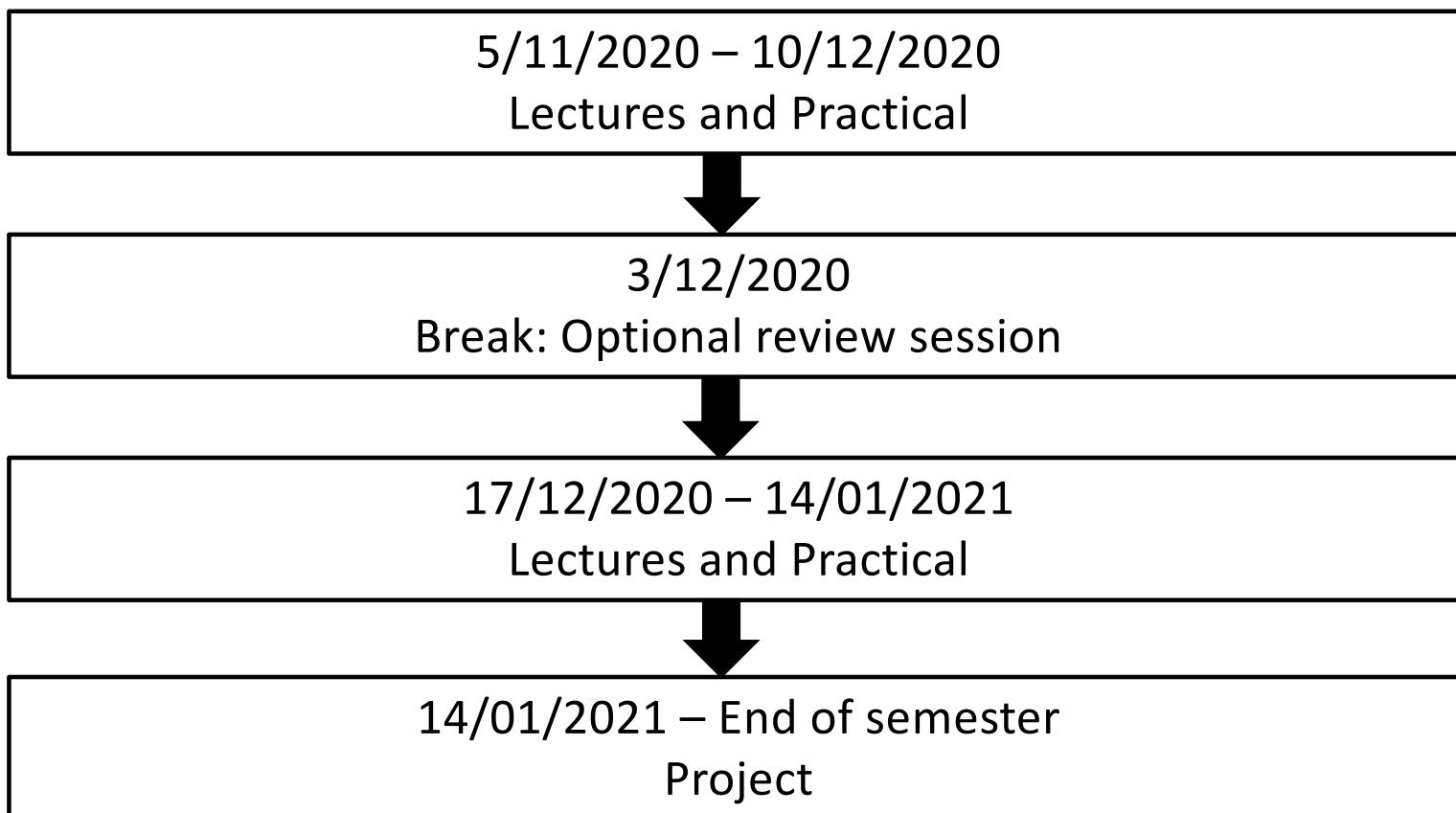
- Community ecology
- Stress response of freshwater ecosystems
- Aquatic - Terrestrial trophic linkages



The full (extended)
working group!



Schedule overview



Course objectives: Learning targets

- Handle complex data and large databases
- Have a broad understanding of the latest tools and techniques
- Code in several languages
- Select appropriate analytical workflow
- Conduct reproducible science



Lecture workflow

- Short introduction lecture
- Practical (in course and home study)
- Questions (in OpenOLAT; I will not answer technical questions via emails as they concern everyone)
- Project based exam



Learning tools and assessments

Datacamp:

https://www.datacamp.com/groups/shared_links/ecfcae92c41a77976ce59df78530f8ad781b579337d421310005e66cc0bc9e9c

Coding Club: <https://ourcodingclub.github.io/tutorials>



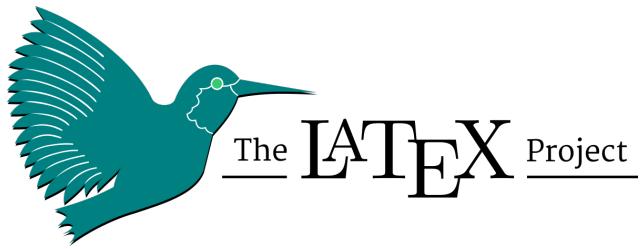
Practice, Practice, Practice

WHEN YOU HEAR THIS:



- You always learn new things
- Coding is like learning a new language
- A good code is a code that works

Today



LaTeX introduction



Introduction to Rstudio and Markdown



Shell introduction

GitHub introduction

