



Organizers

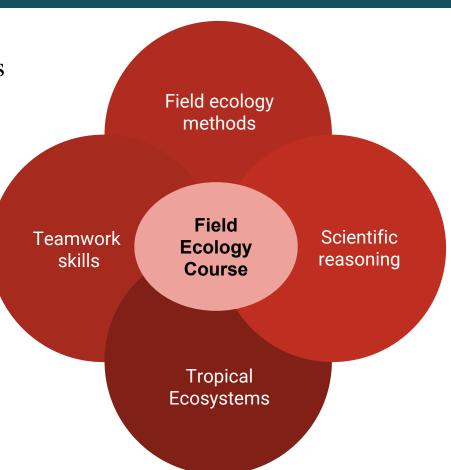
Leonardo H. Teixeira; Gustavo B. Paterno; Nathan Barros



The course aims for a deep scientific experience in field Ecology. Students will have the opportunity to deepen their skills across different stages of the scientific reasoning: (i) elaborate questions and hypothesis; (ii) design experiments and surveys; (iii) sample data in the field; (iv) analyze their results and (v) write scientific reports. Further, the course will offer an intense experience in tropical ecosystems and a great opportunity for students to strengthen their teamwork skills within an international group of students and mentors.

Skills

- 1. Learn fundamental field ecology methods
- 2. Deepen scientific reasoning (hypothesis, design, sampling, writing)
- 3. Increase understanding of Tropical Ecosystems
- **4.** Strengthen team teamwork skills



Available positions





10 positions for master students (TUM)





5 positions for master/PhD students (UFJF)





5 positions for master or PhD students from South Am. Universities

Course Instructors



Leonardo H. Teixeira (PhD in Ecology, TUM) - Restoration ecology and biodiversity and ecosystem functioning



Christian Bräuchler (PhD in Biology, Natural History Museum of Vienna) - Botany and systematic



Gustavo B. Paterno (PhD in Ecology, UFRN) - Plant Ecology and Evolution Nathan Barros (PhD in Ecology, UFJF) - Limnology Raquel Barros (PhD in Ecology, UFJF) - Limnology Fabrício Alvim (PhD in Ecology) - Plant and community ecology Luiz Menine Neto (PhD in XXXX, UFJF) - Botany Juliane Santos (PhD in XXXX, UFJF) - Plant-insect interactions André Megali (PhD in Ecology, UFJF) - Ecosystem ecology

Course Program

Applications
Between 15 of June to 30 of July

7-8 of September: Arrival and organization of field material and equipment

9-15 of September: Module 1 - Short term field methods Site 1. Parque Estadual de Ibitipoca - MG Field Ecology Methods and short-term practices Writing Module reports

16-21 of September: Module 2 - Long term field methods Site 2. Reserva Ecológica de Guapiaçu - MG Field Ecology Methods and long-term practices Writing Module reports

22 of September: Day trip to Ouro Preto city.

23-26 of September: Module 3 - Technical visits to restoration ecology projects
Site 3. Visit Mariana's degraded area from mining dam collapse and restoration initiatives in the area
Site 4. Visit Fazenda Chapéu Durvas - Atlantic forest restoration projects
Site 5. Visit Parque Nacional do Rio Doce (Flora and Fauna observation)

27 of September: Course ending and confraternization

28 of September: Return

Module 1 - Short-term field ecology methods and practices

Summary: In this module students will perform a single day etc
Schedule (9-15 of September)
Day 1 -

Day 4
Day 5 -

Day 2 -

Day 3 -

Day 6 - Module discussions, presentations, and planning for the next module.

Study site - 1

Module 2 - Long-term field ecology methods and practices

Summary: In this module students will perform a week etc (rapid ecosystem functioning assessment practice?)...

Schedule (16-21 of September)

Day 1 -

Day 2 -

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Day 3 -

Day 5 -

Study site - 2

Module 3 - Technical visits to restoration projects and field observations

Summary: In this module students will visit different degraded and/or restored sites as well as a well-conserved area in the Rio Doce National Park (MG)...

Schedule (22-27 of September)

Day 1 - Day of in Ouro Preto - MG.

Day 2 -

Day 3 -

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Day 4 -

Day 5 -

Day 6 - Course ending and confraternization.

Study sites - 3

Prizes and certificates

Photographic contest
Short-term report contest
Long-term report contest



