

## ForBio and UiB course: Introduction to phylogenetic methods

ForBio opens for participation of up to ten external ForBio students in the regular University of Bergen (UiB) course [Phylogenetic methods \(BIO332\)](#).

### Aims

The course aims primarily at students who will do phylogenetic computation in their thesis work, but who have no hands-on experience with some of the more frequently used software applications. Introductory lectures will cover topics such as properties of data and trees, models of evolutionary change, phylogenetic signal, model testing, and hypothesis testing. The students will learn how to prepare their data, explore the properties of the data, how to use distance, parsimony, likelihood and Bayesian methods in computation in packages such as PAUP\*, MrBayes, and BEAST, and how to present results with graphical applications.

### Schedule

The course has three successive modules:

1. lectures and software demonstrations ( twice a week from October 3, 2016)
2. **intensive computer lab (7-11 November 2016; 9:15-16:00) at UiB**
3. take-home exam to be submitted electronically (early December 2016)

UiB grants 5 ECTS for a passed exam in this course. External participants will receive a certificate issued by the Department of Biology, UiB.

### Instructors

[Endre Willassen](#), University of Bergen  
[Manuel Malaquias](#), University of Bergen  
[Nina T. Mikkelsen](#), University of Bergen  
[Trond R. Oskars](#), University of Bergen

### Participation

Personal presence of participants is mandatory in module 2 only. However, external students are required to study electronic course material in order to prepare for the computing class in November. ForBio members accepted on the course will receive support for accommodation (booking will be organized and paid for directly by ForBio); ForBio members from *Norwegian* universities or research institutes also receive additional support for economy travel costs (refunded; flights/train/bus, no taxi or private cars). For more information on ForBio membership, see <http://www.forbio.uio.no/membership/>.

### Application

Non-UiB students should send an application by email to: [Endre.Willassen@um.uib.no](mailto:Endre.Willassen@um.uib.no)

The application must indicate the academic background of the applicant and the topic and the present state of progress in the thesis work. Please add a recommendation from your supervisor.

The number of external participants is limited to 6 students.

The application deadline is September 15th.

### More information

[Endre.Willassen@um.uib.no](mailto:Endre.Willassen@um.uib.no) or [Aino.Hosia@um.uib.no](mailto:Aino.Hosia@um.uib.no)

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University of Bergen and the ForBio Research School in Biosystematics

The Norwegian Taxonomy Initiative (<http://www.artsdatabanken.no/artPage.aspx?m=7>)

The Research Council of Norway ([http://www.forskningsradet.no/en/Home\\_page/1177315753906](http://www.forskningsradet.no/en/Home_page/1177315753906))