



Table of Contents

Language course/short course	2
Biofabrication • University of Bayreuth • Bayreuth.....	2

Language course/short course



Biofabrication

University of Bayreuth • Bayreuth

Overview

Course location	Bayreuth
Teaching language	<ul style="list-style-type: none">English
Language level of course	<ul style="list-style-type: none">English: B2, C1
Date(s)	<ul style="list-style-type: none">July 03 - July 14, 2023 (Registration deadline of course provider: April 30, 2023)
Target group	Advanced undergraduate and graduate students, PhD students
Description/content	<p>Biofabrication is an emerging field in the area of biomaterials and tissues engineering, aiming at the generation of three-dimensional tissue-like structures with biological function from materials including vital cells. Key aspects of achieving this aim are an advanced knowledge on biomaterials, identification of new scientific trends, and adaptation of production processes for the generation of hierarchical scaffold structures, including biomimetic design principles and sustainability aspects.</p> <p>This summer school is organised in two weeks. The first week highlights current trends in biomaterials research and biofabrication approaches, like 3D printing, cell-material interactions and similar topics. The second week sets a focus on trends in material research in relation to biomaterials, including polymer engineering, biobased polymers, and materials for catalysis and biosensors. Furthermore, the programme includes hands-on practical workshops in state-of-the-art equipped laboratories, highlighting several processing methods, aspects of cell culture and analysis, and 3D design and printing as well as novel biomaterials such as spider silk proteins.</p> <p>As in previous years, a selected mix of experienced lecturers and experts in their field ranges from the organising Chair of Biomaterials and other groups of both Faculty of Engineering and Faculty of Natural Sciences at the University of Bayreuth, to colleagues from our partner universities and research institutes in Würzburg, Bordeaux/France, and Melbourne/Australia.</p> <p>Benefits:</p> <ul style="list-style-type: none">Internationally known professors in the field of biomaterials and biofabricationTheoretical insights and practical coursesAbility to earn ECTS <p>Practical courses:</p> <ul style="list-style-type: none">Tissue engineeringDispense-plotting of 3D scaffolds for tissue regenerationAnalysis of self-assembling biopolymers <p>For more detailed information on the course content and lecturers, please visit our website.</p>

Course details

Recognised language exams offered (e.g. DSH, TestDaF, TOEFL) No

Average number of hours per week 30

Average number of participants per group/course 20

Costs / Funding

Dates and costs

- July 03 - July 14, 2023 (Registration deadline of course provider: April 30, 2023)

Price only on request Yes

Requirements / Registration

Teaching language

- English

Language level of course

- English: B2, C1

Language requirements A very good command of the English language (preferably level B2) is a requirement for your participation in the course. Please provide proof of your language level by submitting a language certificate (e.g. TOEFL, IELTS, Cambridge) with your application.

Submit application to Please submit your application and supporting documents (CV, motivation letter, enrolment certificate and proof of language proficiency) via our website:

<http://www.summerschool.uni-bayreuth.de/>

Please contact us by [e-mail](#) if you have any questions regarding the application procedure.

Services

Is accommodation organised? The organiser helps participants look for accommodation.

Meals Included in the programme fee:

- Lunch on course days (Monday to Friday)
- Welcome and farewell dinners

Is a social and leisure programme offered? Yes

Description of social and leisure programme

Examples of our events and social programme:

- Welcome & farewell dinner
- Sports day
- City tour through Bayreuth
- Get-togethers
- Game night
- Excursion at the weekend

Free internet access Yes

Support in visa matters Yes

Pick-up service from train station/airport No

Contact

University of Bayreuth

International Office

Universitaetsstrasse 30
95447 Bayreuth

✉ summerschool@uni-bayreuth.de

🌐 Course website: <https://www.summerschool.uni-bayreuth.de/en/courses/Biofabrication/index.html>

📘 <https://www.facebook.com/SummerSchoolBayreuth/>

🌐 <https://www.linkedin.com/company/bayreuth-international-summer-school>

📷 <https://www.instagram.com/bayreuthsummerschool/>

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Disclaimer

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