



**BAYREUTH  
INTERNATIONAL  
SUMMER  
SCHOOL**

# SCIENCE & ENGINEERING OF POLYMERS & COLLOIDS

## BAYREUTH INTERNATIONAL SUMMER SCHOOL



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**04 - 15 JULY 2022**

POLYMERS AND COLLOIDS PLAY AN EVER-INCREASING ROLE AS MATERIALS IN OUR EVERYDAY LIFE. THEY ARE THE CONSTITUTIVE PARTS OF MANY NEW FUNCTIONAL DEVICES COVERING A WIDE RANGE OF EMERGING APPLICATIONS. FUNCTIONAL TEXTILES, SENSORS, GAS BARRIER COATINGS, ELECTRICAL AND THERMAL INSULATORS ARE JUST A FEW EXAMPLES. POLYMERS AND COLLOIDS ARE ESSENTIAL BUILDING BLOCKS FOR FUNDAMENTALLY NEW MATERIALS WITH EXCITING MECHANICAL, OPTICAL, THERMAL, OR ELECTRICAL PROPERTIES.

THIS COURSE WILL BEGIN WITH AN INTRODUCTION TO BOTH TYPES OF MATERIALS AND COVER ASPECTS OF SYNTHESIS AND CHARACTERIZATION. WE WILL THEN PROGRESS TOWARDS FUNCTIONAL ASPECTS OF POLYMERS, COLLOIDS, STRUCTURED AND COMPOSITE MATERIALS DERIVED FROM THEM. FINALLY, THIS COURSE WILL ALSO PROVIDE YOU WITH INSIGHTS INTO POLYMER ENGINEERING, THE POLYMER INDUSTRY, APPLICATIONS, AND CURRENT TOPICS CONCERNING FUTURE TRENDS FOR POLYMERS.

**START YOUR APPLICATION [HERE](#).**  
**APPLICATION FOR UBT STUDENTS [HERE](#).**

[WWW.SUMMERSCHOOL.UNI-BAYREUTH.DE](http://WWW.SUMMERSCHOOL.UNI-BAYREUTH.DE)

-  *TUITION*
-  *CULTURAL PROGRAMME*
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-  *WELCOME & FAREWELL DINNERS*
-  *LUNCH ON COURSE DAYS*

**COURSE FEE: €1,110**

**LANGUAGE: ENGLISH**  
**LOCATION: ON UBT CAMPUS**