

Brewer Cursus Weiherstephan

Certificate Program at Technical University of Munich

On Campus Program, September 11 – 15, 2023

Monday, Sep 11	Topic	Place
Brew planning and preparations		
09:00 – 9:30 am	Welcome and introduction	Rm 16
09:30 – 11:00 am	Dr. Martin Zarnkow History of Brewing and Beer	Rm 16
11:30 am	Tour Campus Weiherstephan	Rm 16
12:00 – 1:30 pm	Lunch	
1:30 – 3:00 pm	Brew planning and preparations in groups	Rm 16 Research Brewery
3:00 – 4:00 pm	Introduction to three pilot breweries	Research Brewery/Laboratory (Gruber pilot brewery)
4:pm	Tour TUM research brewery and cellar	Research Brewery
5:15 pm	Welcome Evening to the typical Bavarian beers and “Brotzeit”	

Tuesday, Sep 12	Topic	Place
Excursion – malt and hops		
08:00 am	Drive to Hallertau area	Dept. of Brewing and Beverage Technology Building
10:00 – 11:30 am	Tour malt plant	
11:30 – 12:30 am	Visit to local brewery	
12:30 – 1:30 pm	Lunch	
2:30 pm	Tour hop center, hop varieties, product types	HVG-Naturhopfen Zentrum in Mainburg

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4:30 pm	Growing region Hallertau (hop growing and harvesting)	Hopfenmuseum
5:30 pm	Hops and beer styles	Hopfenmuseum
6:30 pm	Drive back to Weiherstephan	

Wednesday, Sep 13	Topic	Place
Brew day – 3 brews 3 beers on 3 pilot brewery plants		
08:00 am	Hands-on brewing all day!	Meet at Rm 16
10:00 am	Traditional brew master's breakfast	The brew master's kitchen
1:00 – 2:30 pm	Pizza lunch, Weiherstephaner pilot bakery	
2:30 – 6:00 pm	Brewing, more brewing until done	

Thursday, Sep 14	Topic	Place
Brewing and beer analytics		
09:00 – 10:00 am	Introduction to practical brewing analytics	Lab TUM Research Center for Brewing and Beverage Quality
10:00 – 12:00 noon	Tour Staatsbrauerei Weiherstephan The oldest Brewery	Brewery
12:00 – 1:30 pm	lunch	
2:00 – 5:00 pm	Practical analytics (row material, wort, yeast, bier, color, bitterness, alcohol, foam, stability,....)	Rm 16 / Labs
5:00 pm	Introduction to Internatioanl Beer Styles	

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Friday, Sep 15	Topic	Place
Sensory analyses		
09:00 – 11:00 am	Sensory science and evaluation lab	Rm 16, Sensory Lab
11:00 – 12:30 noon	Project development	Rm 16
12:30 – 1:30 pm	lunch	
1:30 – 4:00 pm	Draft beer dispensing systems and hygiene	Rm 16
4:00 – 5:00 pm	Project development	Rm 16
5:00 – 6:00 pm	Group presentations and discussion	Rm 16
6:00 pm	Presentation of the TUM-Brewer Cursus Weiherstephan Certificate followed by dinner	Bräustüberl Weiherstephan "TUM-lecture room 13"

subject due to change