

CirCOOL 2.0

The Life Cycle of Materials in the Circular Economy

- Nine program days
- Eight theoretical seminar blocks
- Three industry field trips
- 3 ECTS
- 12 days in Austria – the heart of Europe
- Cultural activities

COSTS:

- Participation fee: 600€
 - . Scholarship for BSc students: 300€
 - . Scholarship for MSc students: 200€
- Included in the participation fee are:
 - . All course and tuition fees
 - . Housing in single rooms from 8th to 20th July 2018 (Mon-Sat)
In the outstanding guest house 'Minerroom'
 - . Lunch on program days
 - . Transportation to field trips & entrance fees



APPLICATION DEADLINE: 29th April 2019, 12 pm middle European time

APPLICATION REQUIREMENTS

- Participant must be student of relevant technical/ scientific field
- BSc students must have completed min. 60 ECTS of their studies by the start of the CirCOOL program
- English level of minimum B2
- Hand in complete application materials by the deadline



As a 178 year old technical university with a unique profile, **Montanuniversitaet Leoben** (MUL) claims a special position in the Austrian as well as in the international academic landscape. The research and education profile is set along the value life cycle of products ranging from the extraction of raw materials, to processing, production processes, product design, product distribution and the recycling of the end of life products in order to reintroduce them into the value life cycle as secondary raw materials.

All study programs and the university philosophy is set along this life cycle. The necessity of a new understanding of raw materials in a wholesome concept has become unnegotiable in today's world and is thus a central thought in research and education done at Montanuniversitaet. Inside Austria the study programs with their specific focus offered can only be pursued in Leoben. As a result, Montanuniversitaet graduates have an outstandingly good position on the job market. For many years, the university's academic excellence and popularity have been documented by a number of ranking surveys (e.g. FOR-MAT magazine, Universum Talent Research, Tendence Graduate Barometer). In 2017 and 2018 Montanuniversitaet was ranked one of the best universities in various engineering categories by the Shanghai Ranking's Global Ranking of Academic subjects.

Montanuniversitaet considers its central future aim to establish sustainability in its value-added cycle, from raw materials to the finished product, in the disposal of the product and its recycling and reuse as secondary material.

MUL is a global center of excellence in our core disciplines:

- Mineral resource and processing
- Metallurgy high performance materials
- Process and production engineering
- Environmental technology and recycling

These are complemented by the following fields of research:

- Energy technology and resource management
- Safety engineering and risk management
- Mathematics, natural sciences, engineering and economics

CirCOOL

CirCOOL is MUL's innovative & interdisciplinary international summer school program that successfully premiered for the first time in July 2018. -The feedback in 2018 was outstanding.

This is why CirCOOL will take place again in an expanded and revised form in 2019. The CirCOOL program intends to enable students to see the bigger scope of their specific educational field and what it can contribute to the whole material circle. This approach strongly contributes to the de-isolating of the various fields of expertise needed to implement the material loop. CirCOOL is arranged in a modular structure which mirrors the various major steps of the value life cycle. Content seminars will be completed by three major field trips to relevant industry in order to show the practical applicability of the material flow in the industry and economy.



General information	
Topic	The major steps of the value life cycle of materials in the circular economy- theoretical status quo & its practical applicability in industry and economy
Location	Montanuniversitaet Leoben & local industry
Date	8-19 July 2019 → Arrival day: July 8 is arrival day program week 1: July 9-12 and program week 2: July 15-19
Application deadline	29 th April 2019; 12 pm MET; email all relevant application materials (see last page) to christina.cresnik@unileoben.ac.at
Work load	3 ECTS
Target group	Bachelor students who have collected min. 90 ECTS in their BSc studies, Master students and PhD students
English level	Minimum B2 – a prove of some sort is required
Participants max.	Max. 30; if not agreed upon differently, max. 3 participants from one university- The international offices of the students' HOME university are asked to make a selection!
Housing	Single bed room in shared apartment with kitchen and bathroom in our exquisite guest house Minroom (www.housing.oead.at >'Leoben')
Board	Lunch on program days (Week 1: Tue-Fri and week 2: Mon-Fri)
Total costs	600€ participation fee → money is due in cash on the first day of the program, which is Tuesday July 9 th 2019 Scholarships: for BSc students 300€ / for MSc students 200€
Academic fields (always in relation to the circular economy)	
<ul style="list-style-type: none"> . Mining . Metallurgy . Energy Network Technology 	<ul style="list-style-type: none"> . Processing Technology and Waste Management . Process Technology and Industrial Environmental Protection
Field trips	
<ul style="list-style-type: none"> . Research at Erzberg- Zentrum am Berg: Is an underground facility for research, development, education and training purposes: http://www.abenteuer-erzberg.at . Voestalpine Stahl Donawitz GmbH: Is one of the Austrian leaders within the steel industry. The company can look back upon more than 125 years of experience in steelmaking technology: https://www.voestalpine.com/stahldonawitz/en/ . Saubermacher Dienstleistungs AG is Austria's leading waste disposal and recycling company in the private sector: https://www.saubermacher.at/en/home/ 	
Leisure activities included	
<ul style="list-style-type: none"> . Historical city tour Leoben . Leopoldsteiner lake: Bathing and hiking . Afternoon in Graz- county capital of Styria & second biggest city of Austria 	

REQUIREMENTS:

- Applicant must be student of relevant technical/ scientific field
- BSc students must have completed min. 60 ECTS of their studies by the start of the CirCOOL program
- English level of minimum B2 (prove required*)
- Hand in complete application materials by the deadline

APPLICATION DOCUMENTS:

DOCUMENTS	✓ CHECK
Filled out application form → form can be downloaded on our website: international.unileoben.ac.at/en	
Master Data Sheet ('Stammdatenblatt') → form can be downloaded on our website: international.unileoben.ac.at/en	
Copy of passport	
Confirmation of enrollment of your home university (in English or German!)	
Transcript of records (in English or German!)	
*Prove of English level min. B2 – for example school or course certificate, TOEFL, IELTS and similar kinds of confirmation	
Letter of Motivation (in English) - length: ½ page- max. 1 page <i>Try to cover the following questions:</i> <ul style="list-style-type: none"> → Who are you? (Personal description: Name, interests and similar) → How is the CirCOOL program related to your field of studies? → Why do you want to attend the CirCOOL program? → How can you benefit personally, academically and/or professionally in your future from participating in the CirCOOL program? 	
PhD students only (in English): Description about your field of research / thesis excerpt - length: ½ page- max. 1 page	

APPLICATION DEADLINE: 29th April 2019, 12 pm middle European time

APPLICATION PROCESS:

All application materials must be send in **ONE** email with subject 'Application for CirCOOL 2019' to christina.cresnik@unileoben.ac.at

The participation fee is due in EURO and in cash on the first day of the program (Tuesday 9th July, 2019)!

Participants, who were accepted as CirCOOL participants:

- **BSc and MSc students** must prepare a presentation (ca. 10) about their academic and/or professional interests and their future goals.
 - **PhD students** must prepare a presentation (ca. 20 minutes) about their research (their thesis), their academic and/or professional interest and their future goals.
- *The presentations shall be given during the CirCOOL program
 *Further instructions will be given to the final participants



UNIVERSITY TOWN LEOBEN



LEOBEN—A TOWN FULL OF OPPORTUNITIES

Leoben is a city of culture, a university city, a city of commerce, a hub of upper Styria, the second largest city in Styria and the home of the headquarters of leading multinational companies. Leoben is also known as the "Gateway to the Styrian Iron Road". A walk through the old town feels like a journey through the centuries. The city has many green parks, which invite you to take a walk and spend some time.

Just a few ideas for leisure activities in and around Leoben...

-**discovering Europe—Austria is in the heart of Europe!**
-hiking and other outdoor activities in Austria's beautiful nature
-travelling within Austria: Excellent train access to Vienna (2 hours), Graz (1 hour) & Salzburg (3 hours)
-getting to know Austria's fascinating culture: Visiting the old town Leoben, art galleries & concerts
-shopping in the historical town centre or the shopping mall Leoben
-having fun at cultural events, festivals, in parks, bars and garden restaurants
-enjoying wellness and the exquisite local cuisine



CONTACT

MIRO- Montanuniversitaet International Relations Office

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W: international.unileoben.ac.at

MIRO can be found in

Peter-Tunner-Strasse 15

(,Akademie')

3rd floor , 8700 Leoben

Office hours

Mo, Tue, Wed, Thu: 9am-12pm

+Tue: 1pm-3pm

Miro

THE WORLD IS WAITING FOR YOU! 

