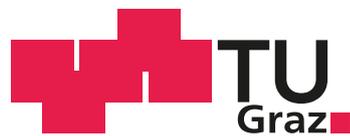


Continuing Education Programme



20 We care about 19



The latest in science, business and technology.

Contents

Preface	1
Part-Time Master's and Certificate Programmes	2
University Courses, Courses and Seminars	6
Company Courses	9

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Univ.-Prof.
DI Dr.techn. Dr.h.c.mult.
Harald Kainz
Rector TU Graz

> Preface

Continuing Education Programme 2019

Continuing education 2019 at TU Graz Life Long Learning stands for life long learning at university level. In our courses you will encounter up-to-date knowledge straight from the experts. Our programmes are practically oriented so that you can apply what you learn in your own professional life. The knowledge and qualifications you obtain will also be relevant on the international jobs market. Meeting other participants will give you new networks and new ideas that you can use in your work.

Our courses cover a huge range of subjects from construction, IT, management of big data and food chemistry, to name just a few.

Redesign your competences and expand your expertise!

Get ahead with education

Education gives us formative experiences that become the cornerstones of our careers and lives. Not just as young adults in degree studies, but again and again at different ages. TU Graz is a place of learning for all phases of life, and our range of courses is an expression of this.

We have been providing these courses for more than ten years now and we are always working to expand and improve our offering. Our courses for working people are practically oriented and interdisciplinary. TU Graz Life Long Learning is an excellent postgraduate education platform that uses the newest teaching and learning technologies. Its high quality and the specializations it offers are reflected in increasing international interest.

It will make me very happy if you choose to take your next educational steps with us!



Univ.-Prof.
Dr.-Ing.
Detlef Heck
Vice Rector
for Academic
Affairs, TU Graz



Mag.phil.
**Christine
Stöckler-Penz**
Head of TU
Graz Life Long
Learning

Design yourself!

This year we have redesigned our brochure and also refreshed and expanded our range of courses – especially to keep up with changes in the world of work. 'Big Data Essentials' and 'Data Science: The Way from Big Data to Smart Data' are two new courses on very hot topics. Besides having courses that are right up to date with a high level of innovation, we also insist on developing and implementing our continuing education programme to the highest quality standards.

With approximately 40 programmes, TU Graz Life Long Learning offers training and education in a large number of key science and technology subjects that will help you develop your career. Choose from our wide range of options, expand your personal competence profile and be prepared for future professional challenges.



Part-time Master's & Certificate Programmes

Our part-time master's & certificate programmes are ideal for graduates of related degree programmes and people with professional experience in relevant fields, to specialize or deepen their knowledge. The programmes are ideally designed for the learning needs of active professional people and we use the latest learning and teaching technologies to enable flexible learning settings. The programmes have a modular structure; some are internationally oriented and taught partly in English. The programmes conclude with either a certificate, a qualification as an academic expert or the academic degree Master of Engineering.



SpaceTech - Space Systems and Business Engineering

Get to know the state of the art in space flight and develop all-round leadership and social competence.

Sustainable Construction

Learn about current methods, theories and trends in the construction industry with a focus on sustainability.

NATM Engineering (New Austrian Tunnelling Method Engineering)

Deepen your understanding of geoengineering and tunnel construction in this programme on the New Austrian Tunnelling Method.

Paper and Pulp Technology

A comprehensive programme on the paper and pulp industry.

Traffic Accident Research - Aviation Safety

Learn how to reconstruct all types of aviation accidents and explore accident prevention measures.

Traffic Accident Research

Learn about road traffic accident reconstruction, accident reporting and accident research.

Hydropower

Gain interdisciplinary expertise on one of the most important and most sustainable energy sources.

< 60 ECTS credits

> 60 ECTS credits

90–120 ECTS credits

CERTIFICATE

These programmes usually last two semesters in part-time format.

ACADEMIC EXPERT

These programmes last three to four semesters in part-time format.

MASTER OF ENGINEERING (MEng)

The degree programmes can be completed in five or six semesters in part-time format.



Helmut Jaberg,
programme director
'Hydropower'

This master's programme is designed as an internet-based distance learning qualification for experts in hydropower, in order to offer a wider and more thorough education in this area and also to offer an advanced qualification for people with professional experience in the sector.



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Peter Maydl,
programme director
'Sustainable Construction'

Sustainable construction will substantially change the shape of competition among clients, architects and construction products. We have to assess buildings and civil engineering works in a holistic manner over their whole life cycle in terms of the environment, economics and socio-cultural factors. Awareness of these issues is growing rather slowly. But in future, factors such as energy efficiency, closed loop economy, life cycle costs and deep renovation of existing buildings will be just as important as safety, functionality or building culture.

> what experts say about the programmes

Hermann Steffan,
programme director
'Traffic Accident Research'

We have been running this master's programme at the Vehicle Safety Institute since 2006 in both English and German. Over 90 students from Europe and Asia have taken the programme so far. I always enjoy meeting the students when they have completed the programme successfully. It is great to see that they not only enjoyed the time in the programme, but also that they have learned about essential aspects of accident reconstruction, which they will be able to use to great benefit in their daily work.

”



Joachim J. Janezic,
Graduate of the programme 'Traffic Accident Research
- Aviation Safety' Lawyer and chair of the Institute for
Austrian and International Aviation Law

”

The university programme offers a broad survey of the subject at a very high level, taught by internationally respected experts. It is the only programme of its kind in Austria. Personally, I have already benefited enormously from the programme and can warmly recommend it to everyone who has to deal with aviation accidents or flight safety in their work.



Ulrich Hirn,
programme director
'Paper and Pulp Technology'

With our university programme 'Paper and Pulp Technology' and the master's programme 'Process Engineering' we can offer both a full degree and a part-time qualification in the field of paper and pulp technology. A synergy effect comes from the fact that the participants in the university programme and the master's programme come into contact, which widens the perspectives of both and enriches their experience.

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Otto Koudelka,
programme director
'SpaceTech'

Specialists from the space flight sector can use this part-time master's programme to expand their technical knowledge and also to prepare for a wide variety of leadership roles and modern business practices in an international environment.

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Wulf Schubert,
programme director
'New Austrian Tunneling Method'

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The wealth of expertise in tunnel building in Austria and the rising global demand prompted us to create this part-time programme in cooperation with the Montanuniversität Leoben. The need for a programme of this type is confirmed by more than 65 participants from 32 countries so far.



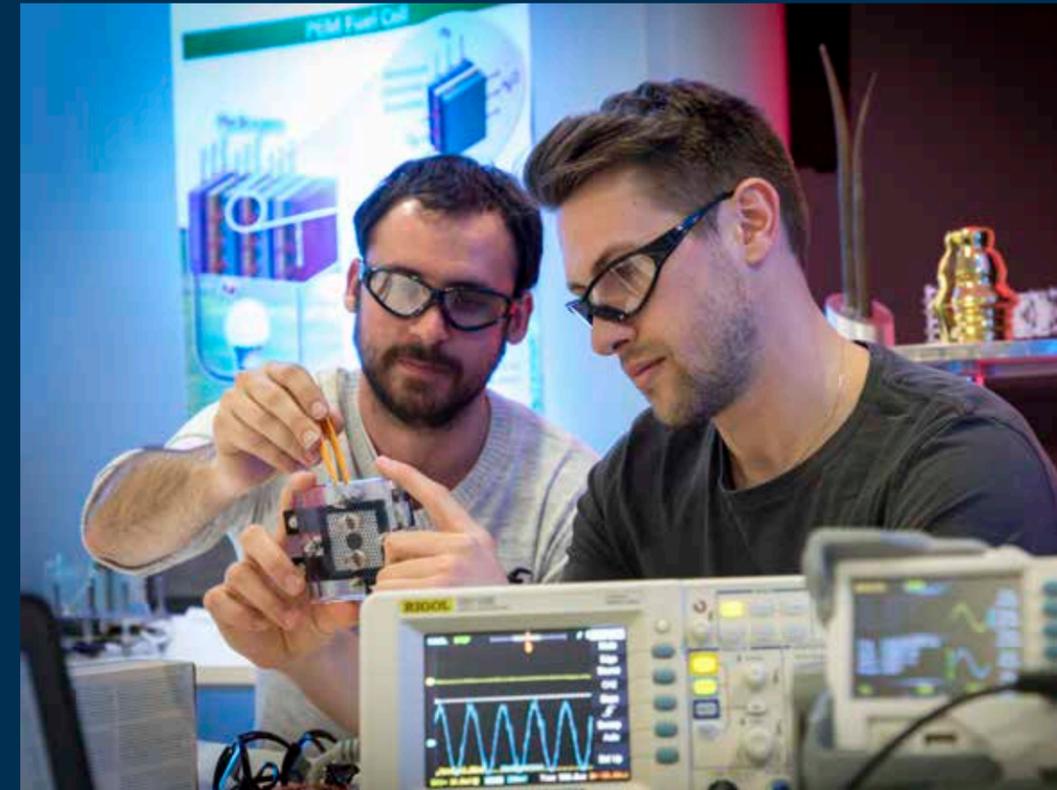
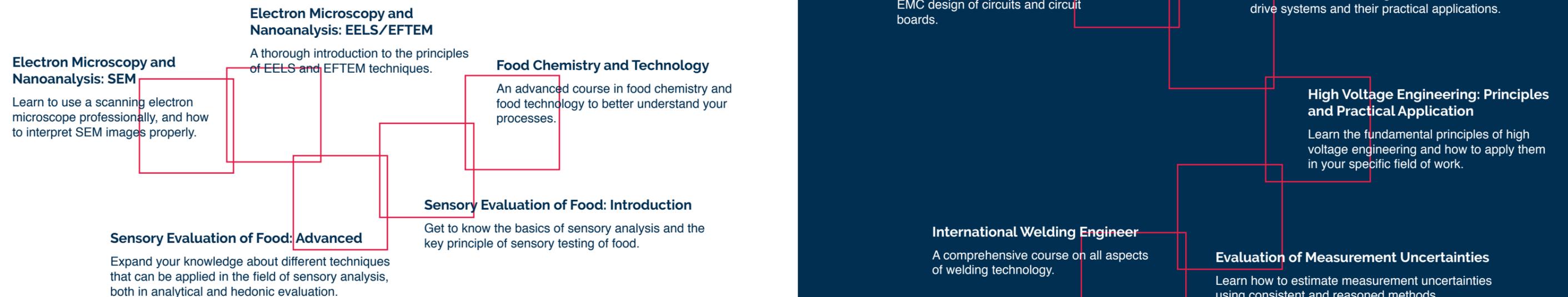
University Courses, Courses and Seminars

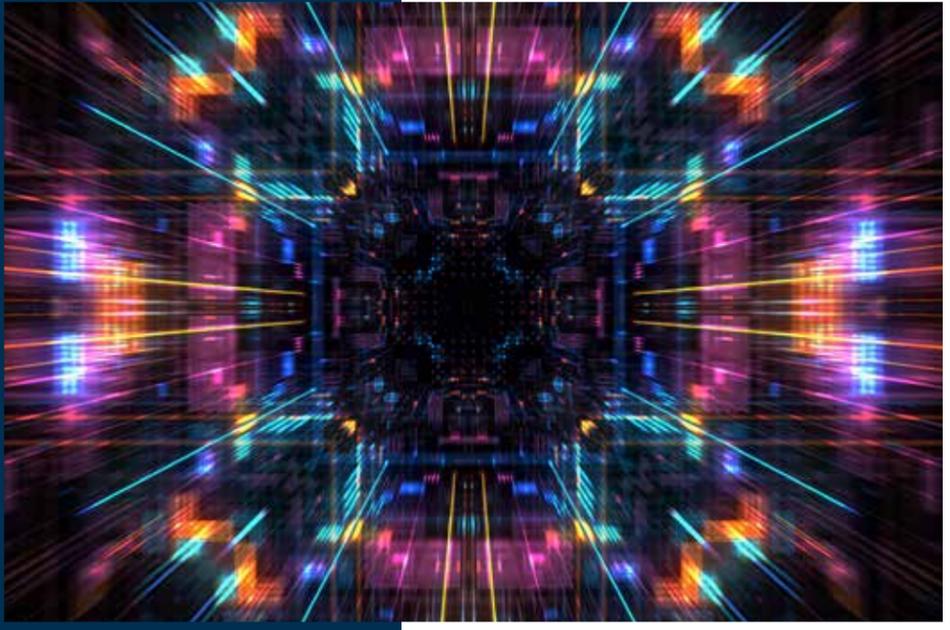
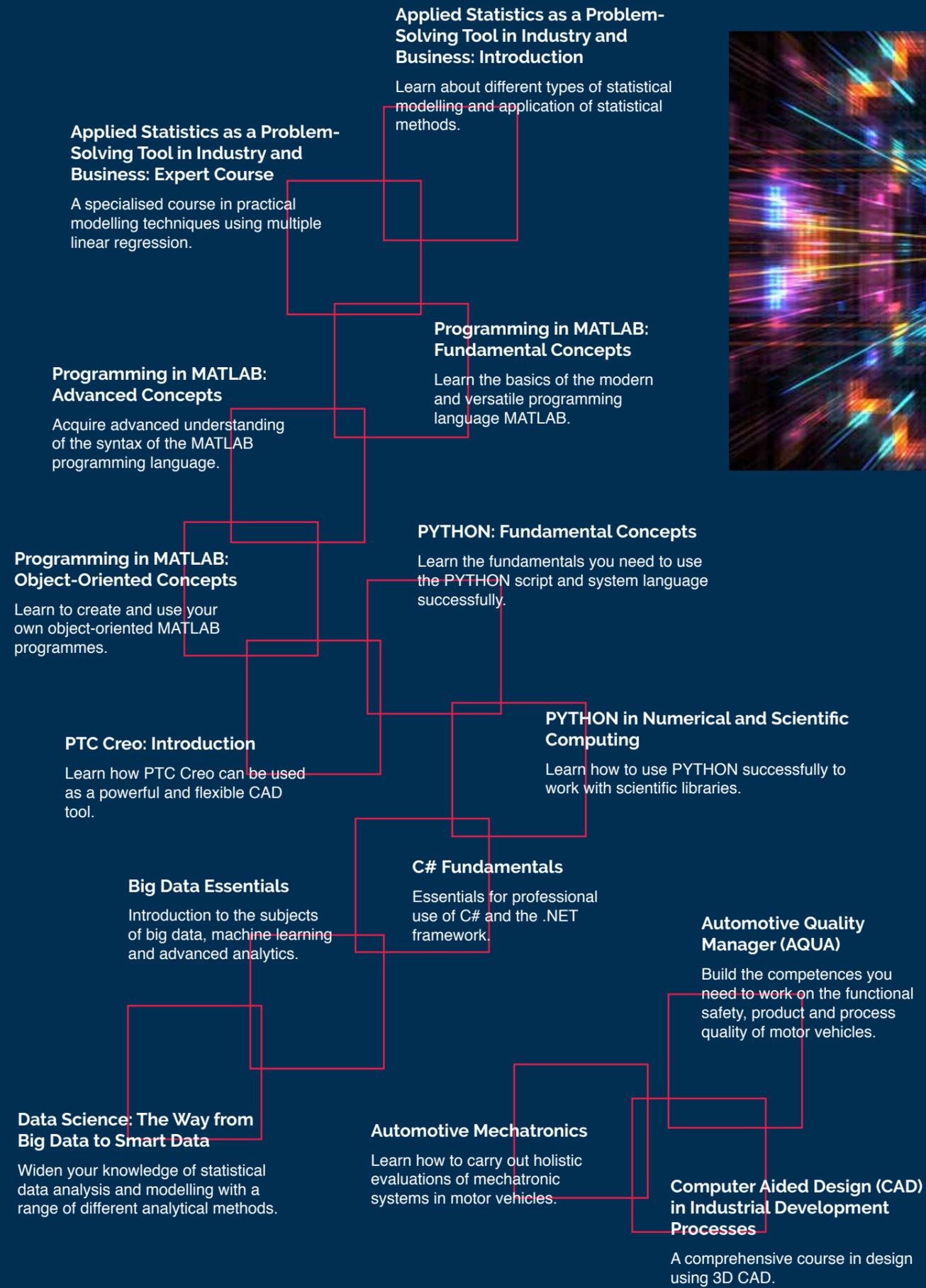
Together with selected partners, TU Graz offers a continuing education programme with several types of courses. Our courses and seminars cover a wide range of subjects and a large practical component. The courses are designed for university and college graduates, experts from industry and TU Graz students.

CERTIFICATES

On completion of these courses you receive either

- a certificate of attendance, confirming that you have taken the course or
- a TU Graz certificate, if the course ends with an examination.





Smart District Development in Small and Medium-Sized Cities

Deepen your knowledge of strategies for inner-urban development, integrated energy and spatial planning, and sustainable mobility.

Housing and Psychology

Learn how to design living spaces in accordance with psychological principles.

Restraint stresses and crack width control in structural concrete members

This course presents a mechanically consistent approach for crack width control in restrained concrete with regard to the real temporal behaviour of concrete and the deformation compatibility on structural level.

Spatial Lighting Design

Learn about how architectural lighting solutions are developed and implemented.



Company Courses

TU Graz offers companies the chance to bring their employees up to date on current developments in their fields of science, business and technology. Some of our continuing education courses can be delivered as in-house training, and can also be specifically adapted by the teachers to meet the needs of your company.



TU Graz Locations

- | | | |
|-------------------------|------------------------------|---------------------------|
| 1. Rechbauerstraße 12 | 13. Steyrergasse 17-19, 21 | 25. Inffeldgasse 10 |
| 2. Technikerstraße 4 | 14. Stremayrgasse 10 | 26. Inffeldgasse 25 |
| 3. Mandellstraße 9-15 | 15. Stremayrgasse 9 | 27. Inffeldgasse 21a, 21b |
| 4. Lessingstraße 25, 27 | 16. Münzgrabenstraße 35a, 37 | 28. Inffeldgasse 21 |
| 5. Münzgrabenstraße 11 | 17. Krenngasse 37 | 29. Inffeldgasse 23 |
| 6. Kronesgasse 5 | 18. Lustbühelstraße 46 | 30. Petersgasse 136 |
| 7. Kopernikusgasse 24 | 19. Inffeldgasse 12 | 31. Inffeldgasse 11 |
| 8. Stremayrgasse 16 | 20. Inffeldgasse 16 | 32. Petersgasse 116-118 |
| 9. Petersgasse 10-12 | 21. Inffeldgasse 26 | 33. Inffeldgasse 13 |
| 10. Petersgasse 14 | 22. Inffeldgasse 24 | 34. Inffeldgasse 19 |
| 11. Petersgasse 16 | 23. Inffeldgasse 18 | |
| 12. Steyrergasse 30 | 24. Inffeldgasse 31 | |

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