

ACADEMIC



UNIVERSITY
OF TRENTO

SUMMER SCHOOLS 2018

Consistently with its small dimension and boutique-attitude, the University of Trento offers a number of top quality Summer Schools, that cover the areas of Global Challenges, Italian Culture, Automotive Business and Innovation, Security and Privacy in Digital Life and EIT Raw Materials. They are devoted to undergraduate and graduate students who want to refine their knowledge while experiencing the magic of the Alps and the beauty of Italy.

Minor changes in the following text might apply. For the updated version, please always refer to the web pages.

THE CITY OF TRENTO

The City of Trento, the provincial capital of the Trentino region, is a prominent cultural centre, and has been – and still is – a bridge between the Mediterranean and the northern Germanic culture for many centuries. The city is committed to the development of a flourishing economic and business environment. It hosts conferences, meetings, exhibitions and the Festival of Economics.

THE UNIVERSITY OF TRENTO

The University of Trento, first in the national best university ranking, has focused on excellence since its inception in 1962 and it now enjoys a strong global reputation. It has 10 Departments and 4 Centres, almost 600 Professors and 17,000 students – with a strong community of international students.

SUMMER SCHOOL ON GLOBAL CHALLENGES (GC)

Eligible students	Senior Undergraduate and Graduate students
Academic background	European Studies, Political Science, Sociology, International Relations, Law, Economics, Contemporary History (or similar)
Duration and ECTS	2 weeks, 8 ECTS
Period	1-14 July
Language	English
Format	8 lectures + 3 class debates
Extra activities	4 meetings with CEOs of local industry with international scope
Social activities	Visit to the Dolomites
Teaching methodology	Preparatory work; poster presentation (volunteers); traditional classes; class debates; final project (volunteers)
Class size	Up to 25 international students
Application deadline	End of March (non-EU students) End of May (EU students)
Minimum requirements	English knowledge (B2 level)
Selection criteria	English level, CV, motivation letter
Participation cost	600 € for students from partner institutions 1.000 € for students from non-partner institutions Tuition fee, meals and accommodation are included
Accommodation	San Bartolameo University Residence
Web	international.unitn.it/global-challenges-summer-school
Contacts	International Relations Division Phone: + 39 0461 283224 Email: international@unitn.it

The EU is a perfect laboratory to understand the causes and consequences of many of the global challenges in the contemporary world. This is why the University of Trento is proud to host an International Summer School on Global Challenges, right in the heart of Europe. The academic part of the Summer School will tackle issues ranging from refugees to terrorism and from international commerce to climate change. Debate will be encouraged by addressing specific case studies on the issues presented in class. Participants will be introduced to the business excellences of Trentino. Meetings with CEOs of locally-based companies that have expanded globally on the market are planned and open discussions will be encouraged about how to adapt local realities to global challenges. The leisure part of the Summer School will bring participants to explore the wonderful landscapes of Trentino-Alto Adige: a daily excursion to its spectacular Dolomites is part of the program.

SUMMER SCHOOL ON ITALIAN CULTURE (IC)

Eligible students	Senior Undergraduate and Graduate students
Duration and ECTS	2 weeks, 8 ECTS
Period	8-21 July 2018
Language	English
Format	5 lectures (2 hours each), 3 seminars (2 hours each), 2 field trips (2 hours each), 8 discussions (2 hours each), project development (8 hours)
Extra activities	Visits to MART, MUSE and Buonconsiglio museums and to the BUC (the new University library, conceived and designed by the Renzo Piano Building Workshop: RPBW Architects), mini concert, outdoor activities
Social activities	Visit to Venice or Florence over the weekend
Teaching methodology	Lectures, seminars, discussions, final project
Class size	Up to 25 international students
Application deadline	End of March (non-EU students) End of May (EU students)
Minimum requirements	English knowledge (B2 level)
Selection criteria	English level, CV, motivation letter
Participation cost	600 € for students from partner institutions 1.000 € for students from non-partner institutions Tuition fee, meals and accommodation are included
Accommodation	San Bartolameo University Residence
Web	international.unitn.it/italian-culture-summer-school
Contacts	International Mobility Office Social Sciences and Humanities area Phone: + 39 0461 282992 – 1719 Email: mobility-ssh@unitn.it

Thanks to its rich history and strategic position, Trento offers a unique gateway into Italian culture. Our brand-new Trento summer school on Italian Culture, organized by the Department of Humanities, provides a two-week full immersion in Italian literature, history, archaeology, art, music, and cinema. Combining lectures, seminars, urban itineraries, cultural trips and outdoor activities, the programme welcomes international students from a variety of disciplinary fields who seek to enrich their academic curriculum and personal growth. Participants are encouraged to develop their cultural knowledge, heighten their cultural awareness, and constantly question widespread cultural stereotypes.

SUMMER SCHOOL ON AUTOMOTIVE BUSINESS AND INNOVATION

Eligible students	Senior Undergraduate and Graduate students
Academic background	Economics, Business, Management, Innovation & Entrepreneurship, Data Science, Material Science, Mechatronic Engineering, Computer and Data Science
Duration and ECTS	2 weeks, 8 ECTS
Period	1-14 July 2018
Language	English
Format	8 hours/day of organized activities (debates, workshops, seminars, teamwork, visits to local companies, excursion), plus preparation hours
Extra activities	Company visits with Centro Ricerche FCA (Trento) and with Pro-M Facility at Polo Meccatronica (Rovereto)
Social activities	Team building session at the UniTrento Nautical Centre; Visit to the Dolomites
Teaching methodology	Pre-and post-assignment; flipped classroom, traditional classes; mentoring sessions, videoconference lectures with major industry representatives, teamwork; final project with pitch presentation
Class size	Up to 40 international students
Application deadline	End of March (non-EU students) End of May (EU students)
Minimum requirements	English knowledge (B2 level)
Selection criteria	English level, CV, motivation letter
Participation cost	800 € for students from partner institutions 1.500 € for students from non-partner institutions Tuition fee, meals and accommodation are included
Accommodation	University apartments / shared hotel rooms
Web	international.unitn.it/ssabi
Contacts	Sandro Trento, Department of Economics and Management sandro.trento@unitn.it Co-organizer: Paolo Bosetti, Department of Industrial Engineering paolo.bosetti@unitn.it

UniTrento offers the ideal interdisciplinary academic environment to host a school on automotive business and innovation, a topic of research and teaching which is high in the agenda of the Departments of Economics and Management (innovation management and business modelling, new product development, strategic competition and organization), Industrial Engineering (mechatronics, prototyping, additive manufacturing, formula student competition), and of Information Engineering and Computer Science (internet of things, autonomous driving vehicle, smart city). In the local research ecosystem there are also other research labs, like Centro Ricerche FCA, which represent ideal partners for the Summer School.

The School will tackle issues ranging from business in competitive environments such as Formula 1 and technical and market driven innovation. Teamwork activities will be project based and will consist in developing a startup project for an innovation in the field or innovative problem-solving aimed at bettering the competitive advantage of existing corporations. Participants will be introduced and exposed to a wide range of instructors and business mentors and will have the opportunity to pitch their solution to a selected panel of mentors.

EIT DIGITAL SUMMER SCHOOL ON SECURITY AND PRIVACY IN DIGITAL LIFE (SPDL)

Eligible students	Senior Undergraduate and Graduate students
Academic background	Computer Science, Information Technology (or similar)
Duration and ECTS	2 weeks, 4 ECTS
Period	1-14 July
Language	English
Format	8 frontal lectures (2 hours each) + 8 mentoring sessions (2 hours each), 4 tutoring sessions (2 hours each) and 32 hours of team working
Extra activities	2 company visits + 2 meetings with Start Ups
Social activities	Visit to Milan; day off together
Teaching methodology	Online preparatory courses on innovation and entrepreneurship, frontal lectures and mentoring, team-work to finalize the proposed solution, harmonizing technical soundness and business feasibility
Class size	Up to 50 international students
Application deadline	Mid-May
Minimum requirements	English knowledge (B2 level)
Selection criteria	English test, CV, motivation letter, optional GRE
Participation cost	1.000 €, including tuition fee, meals and accommodation
Accommodation	Double room in 4-star-hotel in Trento
Web	www.eitdigital.eu/eit-digital-academy/summer-schools/
Contacts	Dr. Gert Guri, EIT Digital Office @ UniTrento: gert.guri@unitn.it

The two-week Summer School SPDL consists of focused lectures on both vertical topics (Security and Privacy) and horizontal ones (soft skills) lectured by academics/practitioners. Customer interviews, companies' site visits, a project work and socializing events are an important aspect in the interaction with companies and entrepreneurs in the field of data security and privacy for ICT applications in daily activities.

In the first week, students are introduced in the use-cases provided by partner companies and then teams are formed around the best proposed-ideas to: explore markets, define user profiles and technologies, validate product and service concepts. The second week explores marketing and business opportunities including company visits, pitch-presentations tutoring as well as business and technical mentoring, to be finalized with the presentation of the project in a final pitch in front of a business panel.

Outdoor sport activities and cultural visits to Milan and Trento are organized during the weekend.

EIT RAW MATERIALS TOP STARS 2018 SUMMER SCHOOL

Eligible students	Graduate students, Young researchers
Academic background	Mainly materials-related, but we leverage on diversity
Duration and ECTS	10 days, 4 ECTS
Period	15-25 July 2018
Language	English
Format	6 frontal lectures (2 hours each), 6 mentoring sessions (2 hours each) 4 tutoring sessions (2 hours each) and 26 hours of team working
Extra activities	Visits to companies
Social activities	Day off; team building activity
Teaching methodology	Frontal lectures on the domain and I&E, followed by team-work to finalize the proposed solution, harmonizing technical soundness and business feasibility. Mentoring sessions to drive and prepare for the final pitching
Class size	Up to 60 international students
Application deadline	Mid-May
Minimum requirements	English knowledge (B2 level)
Selection criteria	English test, CV, motivation letter, optional GRE
Participation cost	750 € for partner universities 1.000 € for non-partner universities Tuition fee, meals and accommodation are included
Accommodation	Double room in 4-star-hotel in Trento
Web	sites.google.com/g.unitn.it/topstars2018
Contacts	Prof. Matteo Leoni, Department of Civil, Environmental and Mechanical Engineering Email: matteo.leoni@unitn.it

TOPSTARS 2018 offers to PhD students a unique hands-in opportunity to address a societal challenge in the Raw Materials framework by combining the technical expertise with innovation and entrepreneurship experience. The summer school will introduce participants to entrepreneurial thinking and behaviour, business and innovation processes, high-tech ventures marketing and business model generation techniques.

At the beginning of the school the students are introduced to challenges proposed by partner companies. An introduction to the underlying technical issues is provided together with information about innovation and business. Teams are formed around the best ideas presented in a fast pitching session. The teams consolidate those ideas and start to explore not just the technical feasibility but also the potential and practical issues in terms of market, business, technology. The initial idea is then gradually developed into a business concept that can either be entrepreneurial (e.g. creation of a new start-up) or might expand the business of the proposing company. Mentoring by the companies (to eliminate the technical flaw) and by entrepreneurs/experts in business and innovation (to ensure feasibility from a business point of view) will be constant and will be necessary to prepare the teams for a final 7-minute pitch of their idea in front of the companies and of a panel including technical, innovation and entrepreneurial experts.

Contacts

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