Field report on studying abroad

Details on studying abroad

- TOBB University of Economics and Technology, Turkey
- Sustainable Architecture (BIP)
- Summer semester, 2025
- Masters in advanced industrial engineering
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Preparation

- Applying through University Dashboard
- Submitting all the required documents required for Erasmus+
- Booking Plane tickets and Accommodations

Accommodation

TOBB Guest House Address: Söğütözü, Söğütözü Cd. No:43, 06510 Çankaya/Ankara, Türkiye

Study at the host university

- Gained expertise in passive solar heating systems, focusing on sustainable architectural design and energy-efficient solutions.
- Mastered 3D modeling and additive manufacturing techniques to design and 3D-print a functional solar chimney prototype.
- Applied VR tools to simulate, refine, and critique sustainable designs in collaborative virtual environments.
- Developed interdisciplinary teamwork skills by working with architects and engineers to integrate passive solar strategies into building designs.
- Learned to assess material constraints and optimize designs for real-world applications in renewable energy.



Everyday life and leisure

- Explored Ankara's cultural heritage, including visits to Ankara Castle and Ulus Historical Center.
- Collaborated with peers from diverse backgrounds during intensive work sessions at TOBB ETU University.
- Engaged in team-based projects, blending academic work with hands-on prototyping and design critiques.
- Experienced Turkish culture through local cuisine and historical landmarks, deepening cross-cultural appreciation.
- Concluded the program with a group presentation on sustainable design solutions, showcasing our solar chimney prototype.

Conclusion

I would highly recommend this program! The mix of sustainable design, 3D printing, and VR tools was unique, and I loved applying theory to real prototypes. Plus, collaborating with international students while exploring Turkey's culture made it unforgettable. It is for those students who are passionate about renewable energy and innovative engineering solutions

