



SOI-177

Challenge: Health Economics in Action: From Idea to Impact

Challenge Provider: ASUIT - Azienda sanitaria universitaria integrata del Trentino

Hosting Institution

Università di Trento, [School of Innovation \(SOI\)](#)

Study Format: Hybrid. Core theoretical content will be provided through online materials, and live interactive activities (e.g., discussions, workshops, mentoring). Some sessions may be hybrid, allowing simultaneous participation from on-site and remote students.

Who can apply: Students from all disciplines

Calendar of activities

Fri	4/12	8.30-12.30
Wed	9/12	8.30-12.30
Mon	14/12	8.30-12.30
Wed	16/12	8.30-12.30
Fri	18/12	8.30-12.30

Learning Outcomes

- Enhance student engagement and active learning by applying challenge-based learning to real-world problems.
- Develop interdisciplinary competences, integrating knowledge from fields such as economics, health, technology, and policy.
- Strengthen transversal skills, including teamwork, problem-solving, critical thinking, and communication.
- Foster international collaboration by working in diverse, multicultural teams across partner universities.
- Bridge theory and practice through interaction with external stakeholders (e.g., healthcare organizations).



- Promote learner autonomy through a combination of asynchronous content and self-directed work.

The Challenge - Description

How can we design more efficient, equitable, and sustainable healthcare systems in a rapidly changing world?

This challenge-based course invites students to tackle real-world problems at the intersection of health economics and innovation. Working in interdisciplinary teams, participants will explore how resources are allocated in healthcare, how technologies are evaluated, and how policies can improve access, quality, and sustainability of care. Through a hybrid learning format, students will engage with asynchronous lectures, interactive and mentoring sessions with academic experts and external stakeholders. The challenge involves collaboration with healthcare organizations and policymakers. Participants will develop key skills in critical and innovative thinking, teamwork, and problem-solving, while gaining foundational hands-on experience in analyzing complex health systems and proposing actionable solutions. Topics will include digital health, health technology assessment and resource allocation decision-making. The course will conclude in a final pitch, where teams present their solutions. This challenge is ideal for students interested in health economics and innovation, who want to make a tangible impact and work collaboratively in an international environment.

Information

This learning experience introduces students to the principles and applications of Health Technology Assessment (HTA) within modern healthcare systems. Focusing on health technologies such as pharmaceuticals, medical devices, and digital tools, the ELO provides a structured understanding of how these innovations are evaluated and adopted, in line with the EU HTA Regulation. Through a combination of theoretical insights and practical activities, students will develop the ability to critically assess evidence quality and apply basic decision-analytical approaches to support healthcare decision-making and resource allocation.

Assessment Criteria

The course will conclude with a final pitch, delivered in a hybrid format, where teams present their outcomes. Full attendance (minimum 80% of classes) is required.

Bibliography/Study materials

- Drummond MF, Sculpher MJ, Claxton K, Stoddart GL, Torrance GW. **Methods for the economic evaluation of health care programmes**. 4th ed. Oxford: Oxford University Press; 2015.
- Briggs A, Claxton K, Sculpher M. **Decision modelling for health economic evaluation**. Oxford: Oxford University Press; 2006.
- National Institute for Health and Care Excellence. **NICE health technology evaluations: the manual**. London: NICE; 2022. Process and methods [PMG36]. Last updated 13 May 2025.
- Philips Z, Bojke L, Sculpher M, Claxton K, Golder S. **Good practice guidelines for decision-analytic modelling in health technology assessment: a review and consolidation of quality assessment**. *Pharmacoeconomics*. 2006;24(4):355–371. doi:10.2165/00019053-200624040-00006.
- Briggs ADM, Wolstenholme J, Blakely T, Scarborough P. **Choosing an epidemiological model structure for the economic evaluation of non-communicable disease public health interventions**. *Population Health Metrics*. 2016;14:17. doi:10.1186/s12963-016-0085-1.
- Husereau D, Drummond M, Augustovski F, de Bekker-Grob E, Briggs AH, Carswell C, Caulley L, Chaiyakunapruk N, Greenberg D, Loder E, Mauskopf J, Mullins CD, Petrou S, Pwu RF, Staniszewska S; CHEERS 2022 ISPOR Good Research Practices Task Force. **Consolidated Health Economic Evaluation Reporting Standards 2022 (CHEERS 2022) Statement: Updated Reporting Guidance for Health Economic Evaluations**. *Value Health*. 2022;25(1):3–9. doi:10.1016/j.jval.2021.11.1351. PMID: 35031096.