

TLM (Three Layers Methodology) Model Facing Multidisciplinary Education

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Welcome to the School of Multidisciplinary Studies

2015 - cluster of courses
Jun 2018 - Department
Sep 2021 - School



The School of Multidisciplinary Studies



EFL Unit



Humanities & Social Science



Integrated Technologies



Community-Engaged Courses



Innovation & Entrepreneurship

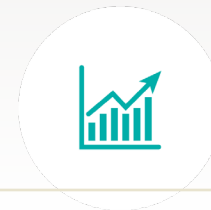
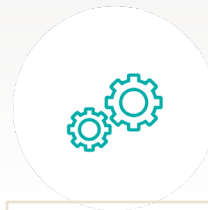
- Mixed student groups
- Challenging format
- Teaching in Tandem

**Social
Science &
Humanities**

**Teaching
quality
program**

**Industry
orientation**

**Academic
cooperation**



**International
projects**

**Technology,
Innovation &
Entrepreneurship**

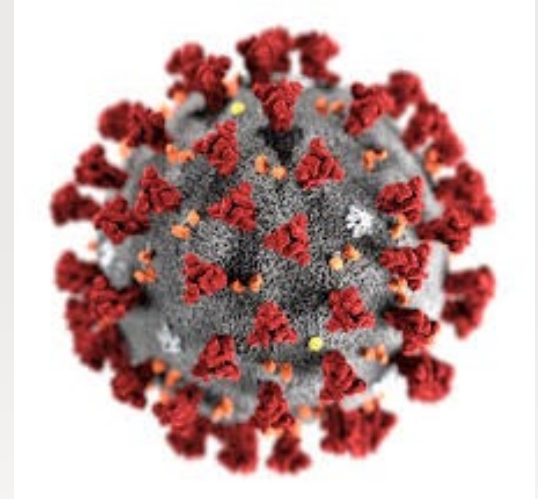
Research

English Courses



The Beginning...

- ✓ Abrupt transition to online teaching: challenges especially for multidisciplinary programs
- ✓ Assessing online teaching
- ✓ Aspects to be preserved and aspect to be improved to maintain effective interaction
- ✓ Methodology of teaching evaluation: a peer-review process



Motivation & Rationale of the Model

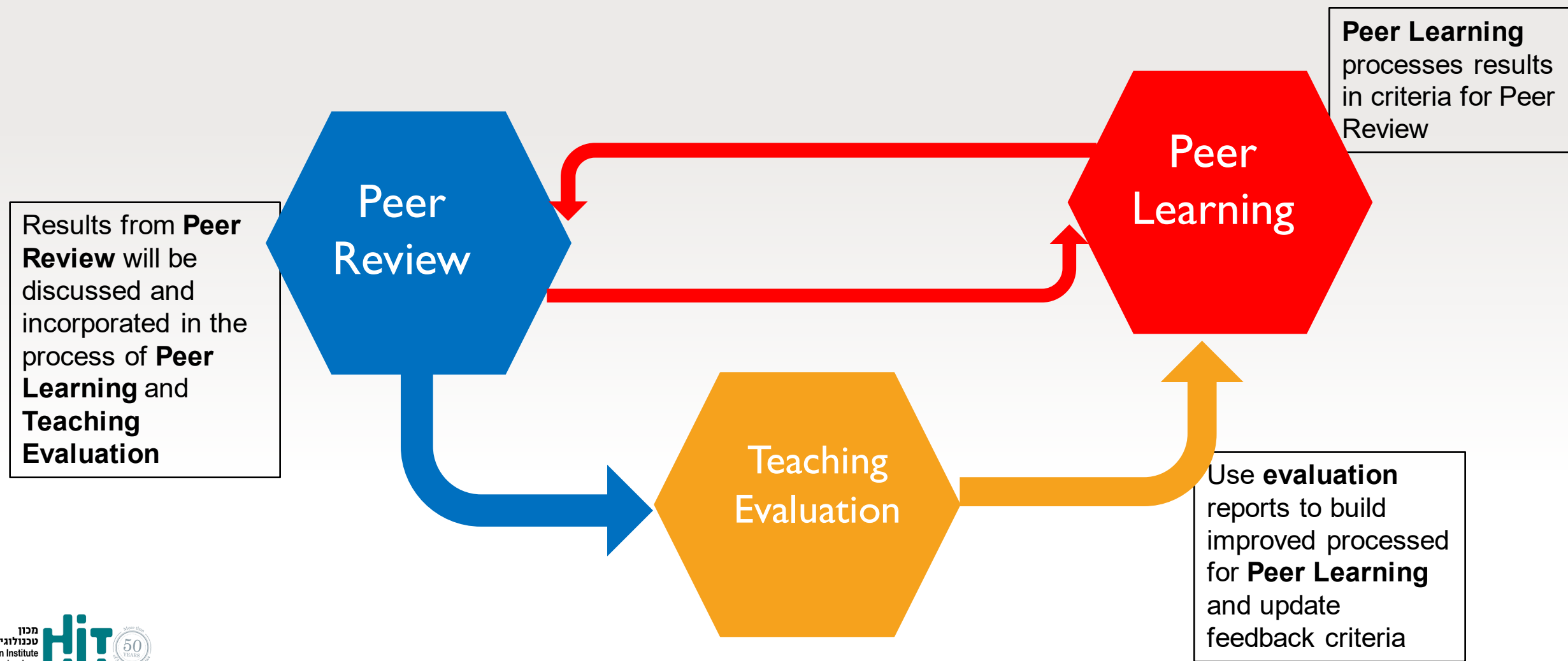
The purpose is to monitor and promote the quality of teaching under the new conditions of a unique and distinct study program, different from the students' core faculties

- New set of Criteria
- New tools of Monitoring and assessment



THE THREE LAYERS MODEL

The TLM Model Eco-System



Peer Learning - Rationale

- ✓ Lecturers meet to discuss or study a common topic in order to develop their pedagogical and personal abilities.
- ✓ The goal is to create synchronization and cooperation between peers.

Key principles:

- ✓ Relevancy
- ✓ Ability to apply
- ✓ Open dialogue, thoughts, feelings and opinions.



Peer Learning – In Action

- Round table open discussions
- Collecting and analyzing the ideas
- Brainstorming sessions to generate an innovative workplan
- Conducting workshops and joint training sessions
- Awareness to the importance of open dialouge



How to use the multidisciplinary among students effectively?

How to handle student discipline in the classroom?

How to compete with the student's attention?

Peer Review - Rationale

- ✓ The process is designed to improve the quality of teaching and through formative assessment.
- ✓ The focus is improving processes through feedback in real time

Key principles:

- ✓ Agreement
- ✓ Trust
- ✓ Training and assessment tools
- ✓ Respect & sensitivity



Peer Review - In Action

- ✓ Observers watched and evaluated classes using guidelines
- ✓ Observers gave personal feedback to each observed lecturer
- ✓ Observed lecturers reported on their experience
- ✓ Observers reported their overall assessment anonymously
- ✓ Summary conclusions were shared with all academic staff



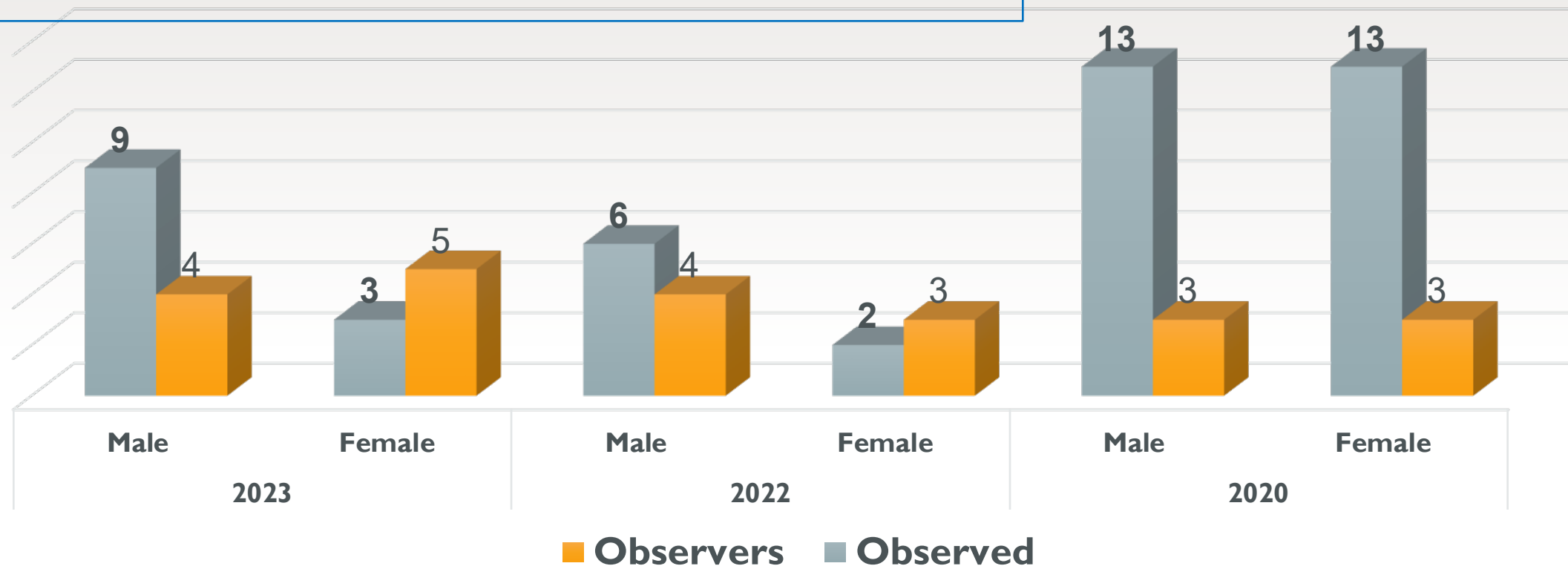
Peer Review - Numbers

3 cycles of Peer Review

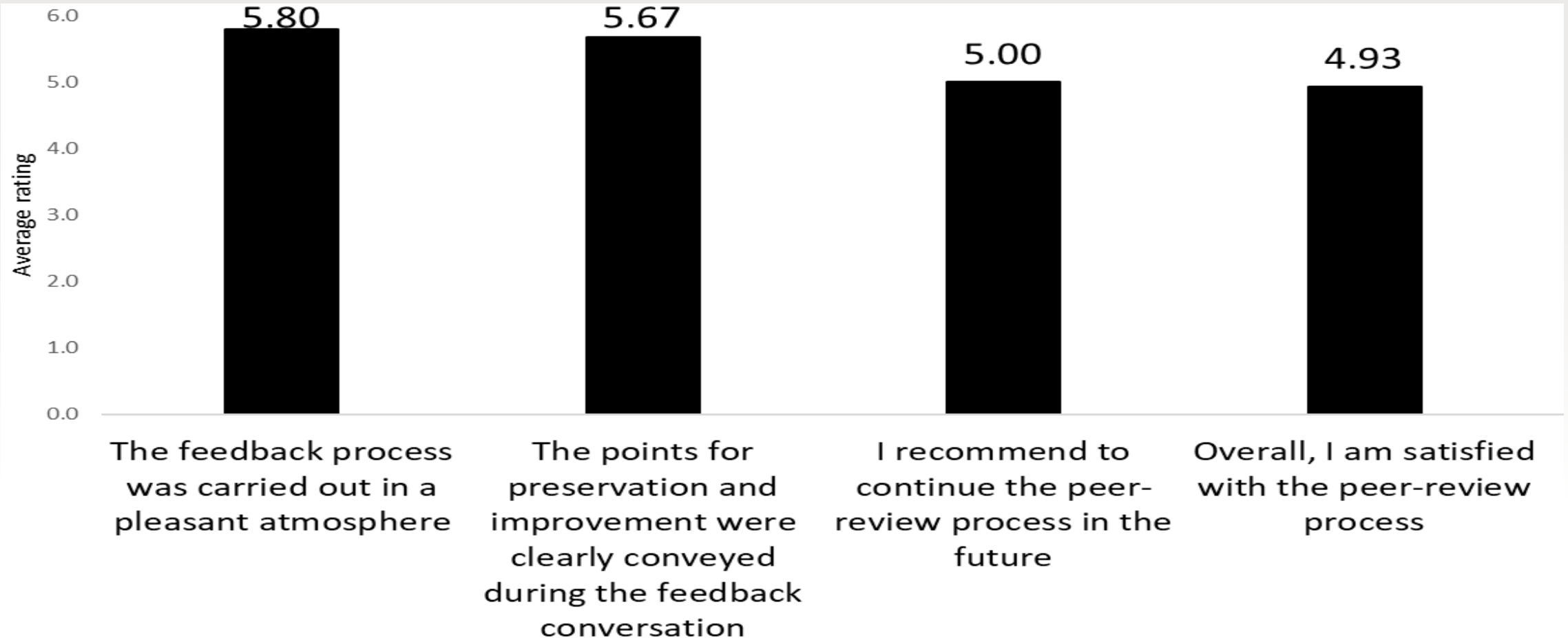
Total no. of Lecturers in the school: 45

No. of Observed lecturers= 29 (46 courses)

No. of Observers = 22



Peer Review – Reflection



Teaching Evaluation- Rationale

- ✓ The aim - to provide a comprehensive overview of the learning experience:
 - ✓ Summative evaluation
 - ✓ Students' satisfaction of the learning processes



Teaching Evaluation - In Action

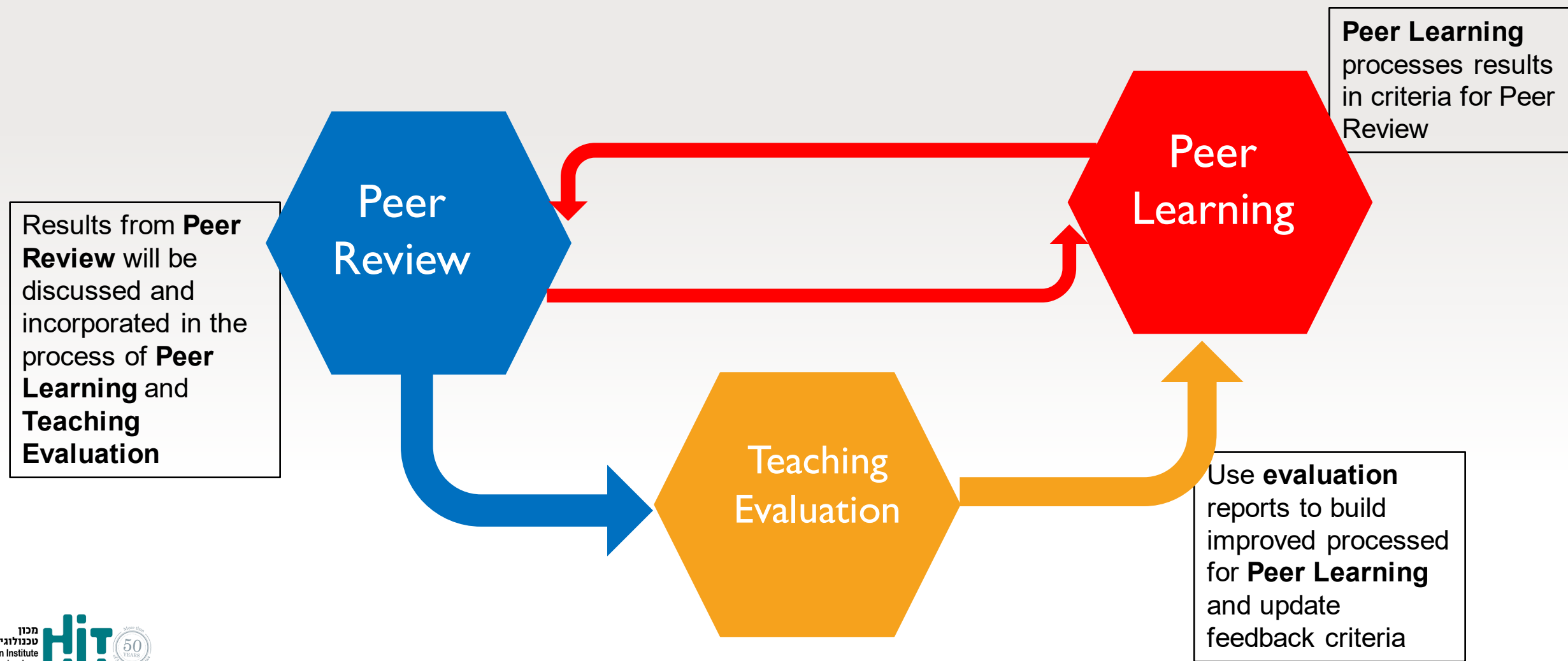
A dedicated teaching evaluation questionnaire was created including measures regarding the impact of multidisciplinary aspects

Continuous and effective learning based on the institute's teaching evaluation surveys (SET)

Comparison and synergy of the findings of the different evaluation questionnaires

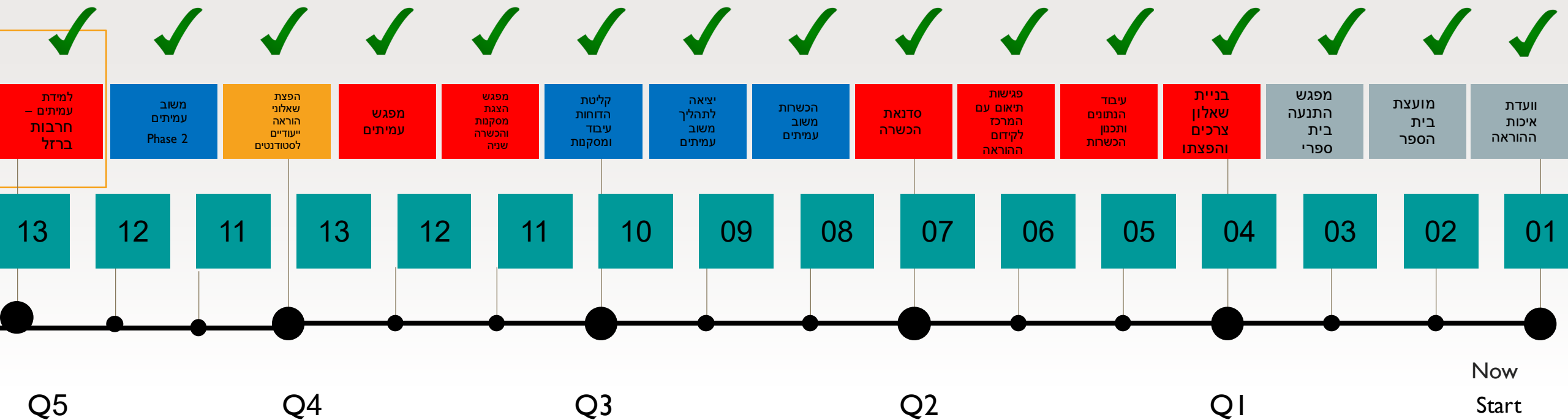
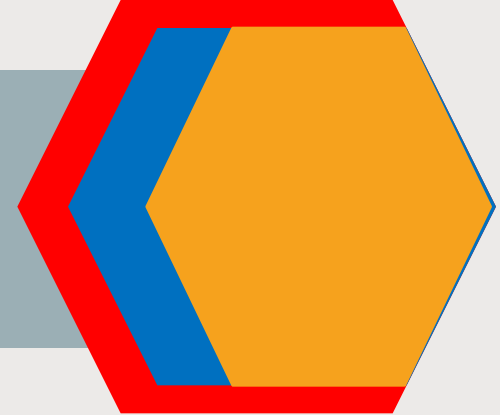
Feedback to lecturers and input to the peer learning process

The TLM Model Eco-System



תוכנית עבודה בפועל

מודל TLM



Theoretical Contribution

- ✓ Changes in teaching and learning, the introduction of new digital tools, and unique teaching methods forces new methodology
- ✓ Fosters a dialogue - researchers from different fields, strengthening the academic vision, and enhancing the relationship between faculty members
- ✓ Assessing teaching in MD environment - is a crucial stage
- ✓ Developing a routine for assessment



Practical Contribution

- ✓ Diversification of learning strategies is necessary
- ✓ The need to adapt the course structure and content to online learning
- ✓ Attention to Loosening of discipline and of the relationship with the lecturer
- ✓ The role of administration in teaching experience
- ✓ Adaptation and Agility is a challenge to both



Future Research

- ✓ Making the program more agile and robust
- ✓ Building automatic tools for evaluation
- ✓ Testing and evaluating the change over time
- ✓ Creating an empirical research over the years



תודה!

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