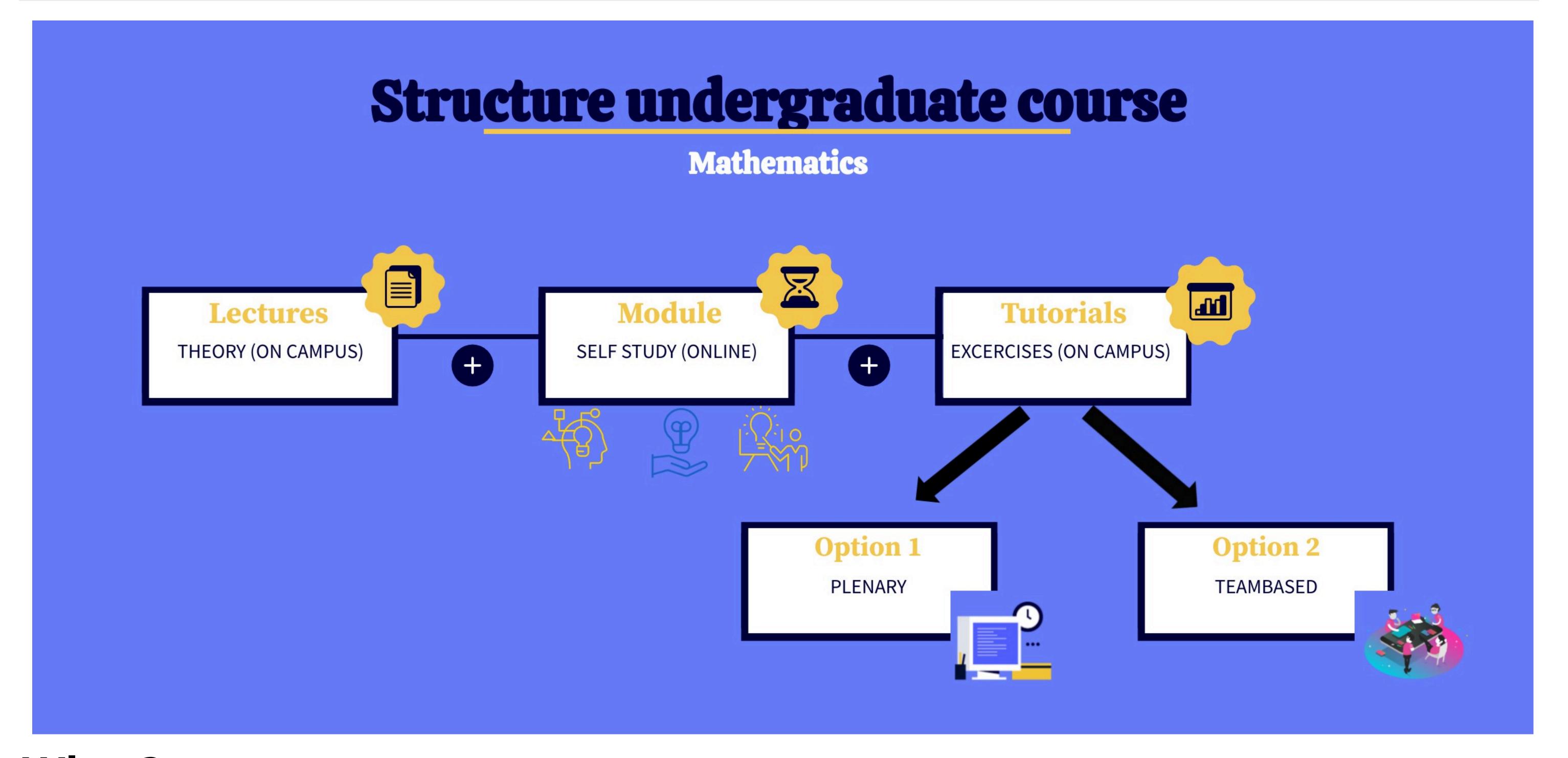
FACULTY OF ECONOMICS AND BUSINESS ADMINISTRATION

How to reduce math anxiety in an undergraduate course?

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What?

- 15% to 30% of students may suffer from moderate to severe levels of math anxiety
- Math anxiety can lead to avoidance of math-related courses or careers and can lower self-confidence
- 11 modules which link the theory in the lectures with the excercises in the tutorials
- Team based training for the educational team and for the students
- Intervisions during the semester to monitor the team based trajectory

Research?

- Interventionstudy with pre- and post-test design
- Exam results maths first semester and second semester
- Dashboard log data modules and presences team based sessions

Results?

- Teambased learning has a positive effect on motivation
- Teambased learning has a benefical effect on math anxiety
- Modules and attendance have a positive effect on performance
- No significant effect on exam results for now

Pre	N Lecture	N Teams	Mean Lecture pre	Mean Teams pre	T	р
Need_satisfaction	350	65	3,51	3,48	,434	,332
Need_frustration	350	65	2,43	2,55	-1,440	,075
Wisk_anxiety	350	65	3,36	3,09	2,895	,002
Ability	350	65	8,81	6,78	3,357	,000
Performance	350	65	8,48	6,75	2,730	,003



