



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS

Opportunities of Emergency Remote Teaching in HE during the COVID-19 Crisis: The case of Upatras, Greece

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A 3-Day Symposium Webinar on Internationalization of Higher
Education (IHE) during Coronavirus Crisis, 19 May 2020



TEHRAN UNIVERSITY
OF
MEDICAL SCIENCES

University of Patras

3rd largest public university in Greece



Web-enabled F2F education
via campus LMS since 2003

Since **1964**

29.901 undergraduates

3.931 postgraduates

7 Schools

35 Departments

49 Postgraduate Programs of Studies

161 Laboratories

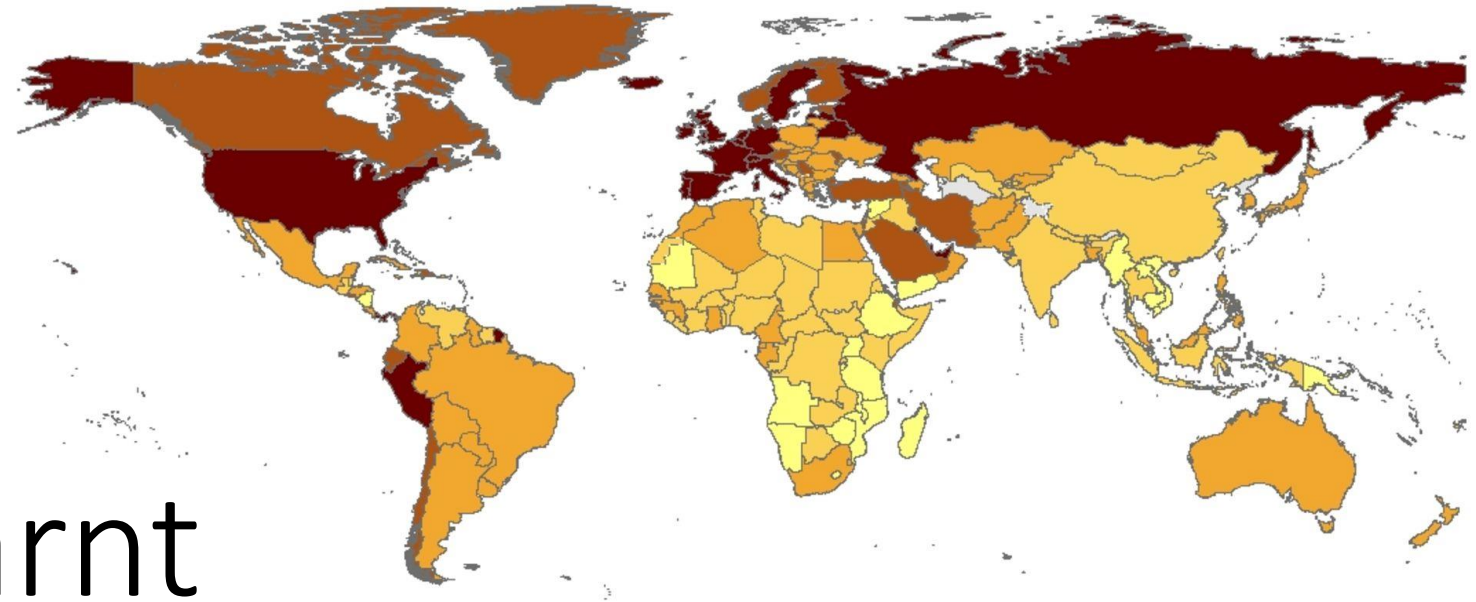
17 Clinics

715 Faculty + **226** teaching staff

6/2019

COVID-19 situation update worldwide, as of 15 May 2020

<https://www.ecdc.europa.eu/en/geographical-distribution-2019-ncov-cases>



Lessons learnt

Cumulative number of reported
COVID-19 cases per 100 000

< 1.0

1.0 - 9.9

10.0 - 99.9

100.0 - 199.9

≥ 200.0

Countries and territories without cases reported



Date of production: 15/05/2020

The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union.

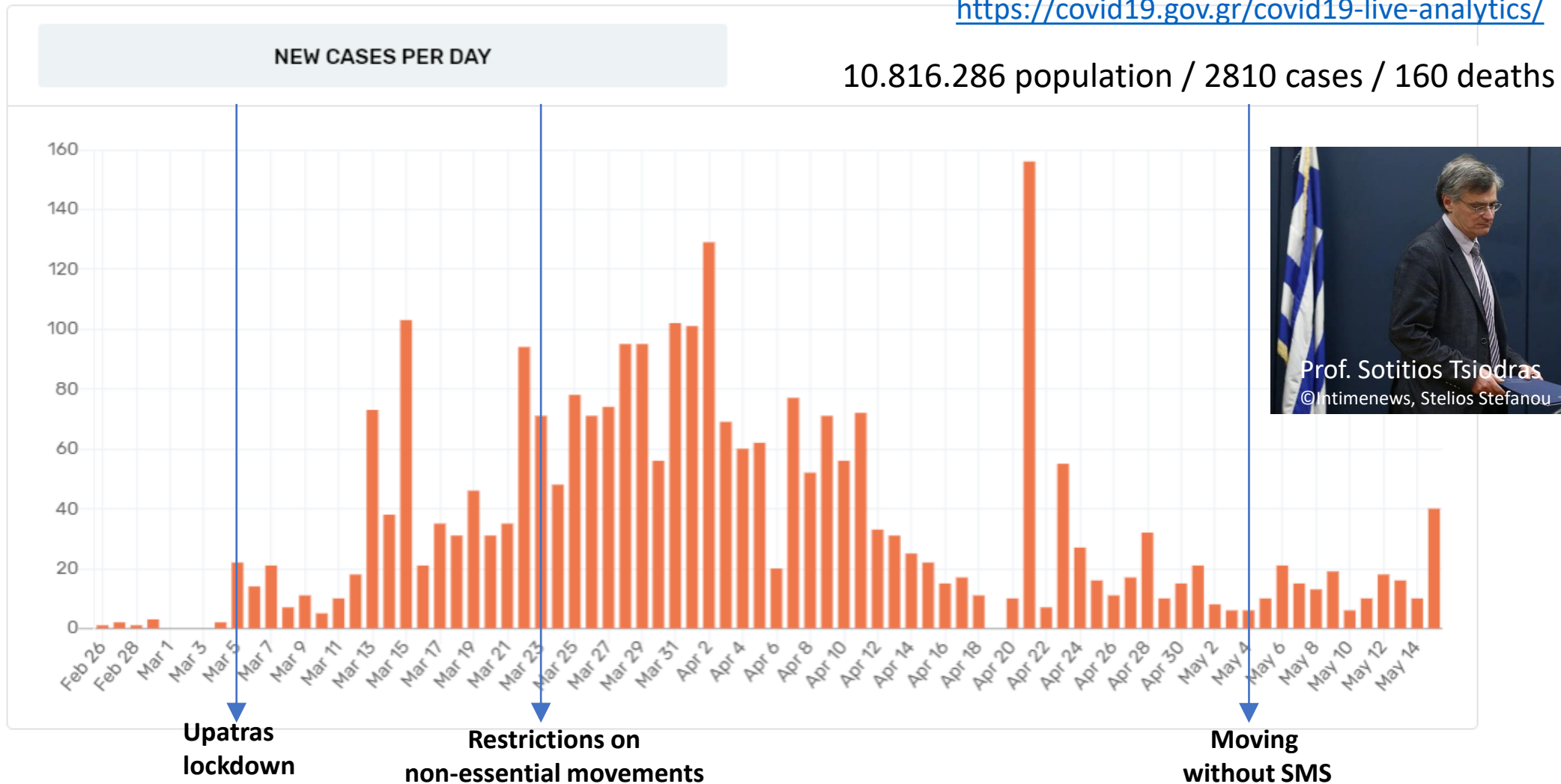
Online Learning \neq Emergency Remote Teaching

Sudden move from F2F education to Fully online

([Hodges et al. 2020](#))

Lesson 1: Always listen to the experts

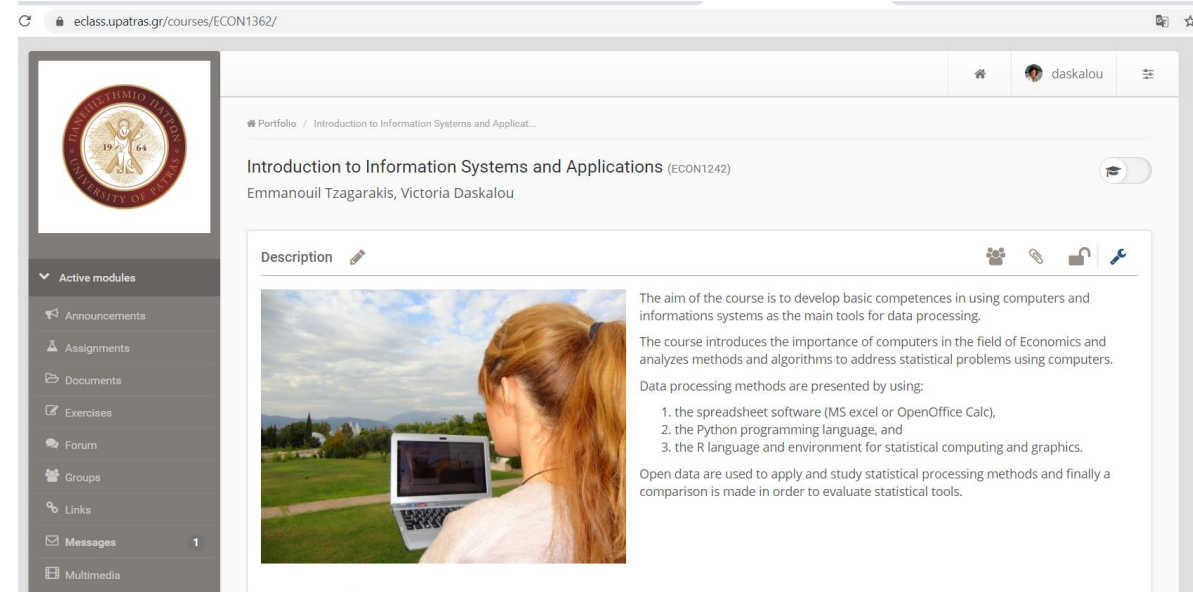
<https://covid19.gov.gr/covid19-live-analytics/>



Lesson 2: Be prepared

Upatras Digital Services

- Central Authentication and Authorization (AAI), UPnetID
- Communication services
- Digital libraries and Open Content
- Academic management systems (ERP)
- E-learning & Collaboration tools



Portfolio / Introduction to Information Systems and Applicat...

Introduction to Information Systems and Applications (ECON1242)

Emmanouil Tzagarakis, Victoria Daskalou

Description

The aim of the course is to develop basic competences in using computers and informations systems as the main tools for data processing.

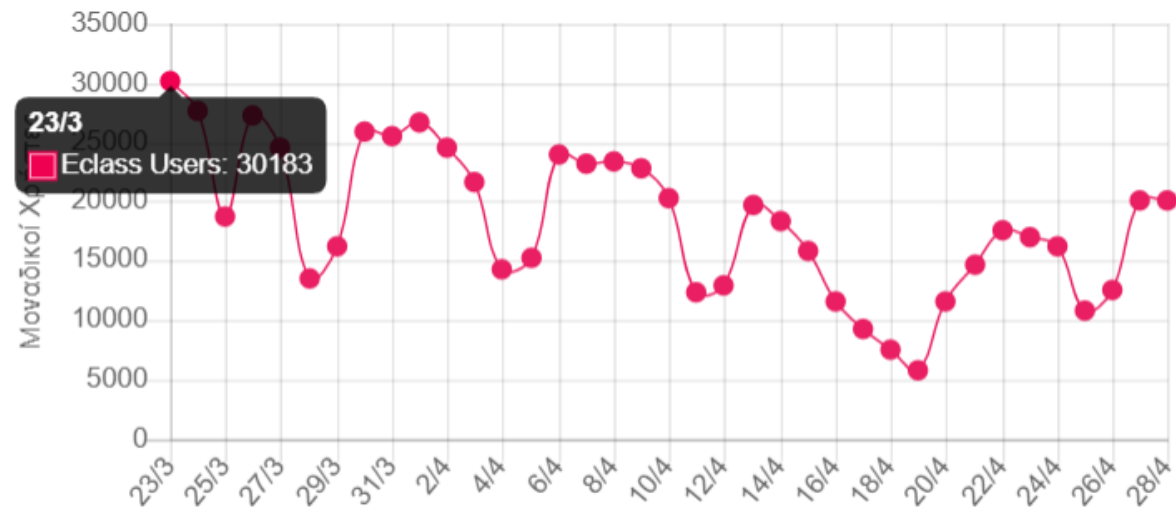
The course introduces the importance of computers in the field of Economics and analyzes methods and algorithms to address statistical problems using computers.

Data processing methods are presented by using:

1. the spreadsheet software (MS excel or OpenOffice Calc),
2. the Python programming language, and
3. the R language and environment for statistical computing and graphics.

Open data are used to apply and study statistical processing methods and finally a comparison is made in order to evaluate statistical tools.

<https://eclass.upatras.gr/>



<https://sfb.sites.upnet.gr/stats/>

Lesson 3: Adapt fast (My view)

Evaluate cloud synchronous e-learning tools integrated with Upatras AAI, mobile support:

- Microsoft Office 365 tools
- Google G suite for education
- Start synchronous classes (lecture, lab) in MS Teams:
 - 11.3: “Digital Economy”, 4th semester, 34 (113 total) online students
 - 12.3: “Database systems”, 8th semester, 44 (74 total) online students

The screenshot shows a Microsoft Teams meeting interface. The main window displays a slide with the following content:

«Κάθε πιλότος πρέπει να κυβερνάει τουλάχιστον ένα αεροπλάνο.»

Με Min-Max συμβολισμό?

The diagram is an Entity-Relationship (ER) model with the following entities and attributes:

- Πιλότος** (Pilot): Attributes include ΑΔΤ (License), Όνομα (Name), Διεύθυνση (Address), and Ημ. Άδειας (License Date).
- Κυβερνάει** (Operates): A relationship between Πιλότος and Αεροπλάνο. It has cardinalities (1,N) and (0,N) and is labeled with Max and Min.
- Αεροπλάνο** (Aircraft): Attributes include Κωδικός (Code) and Ημ. Κατασκευής (Manufacture Date).

The meeting chat window on the right shows a list of messages from participants like ΜΑΥΡΟ, ΜΠΑΛΙ, ΠΑΥΛ, ΖΗΕ, ΙΩΣ, ΣΚΣ, ΜΠΑ, ΙΩΣ, and ΙΩΣ.

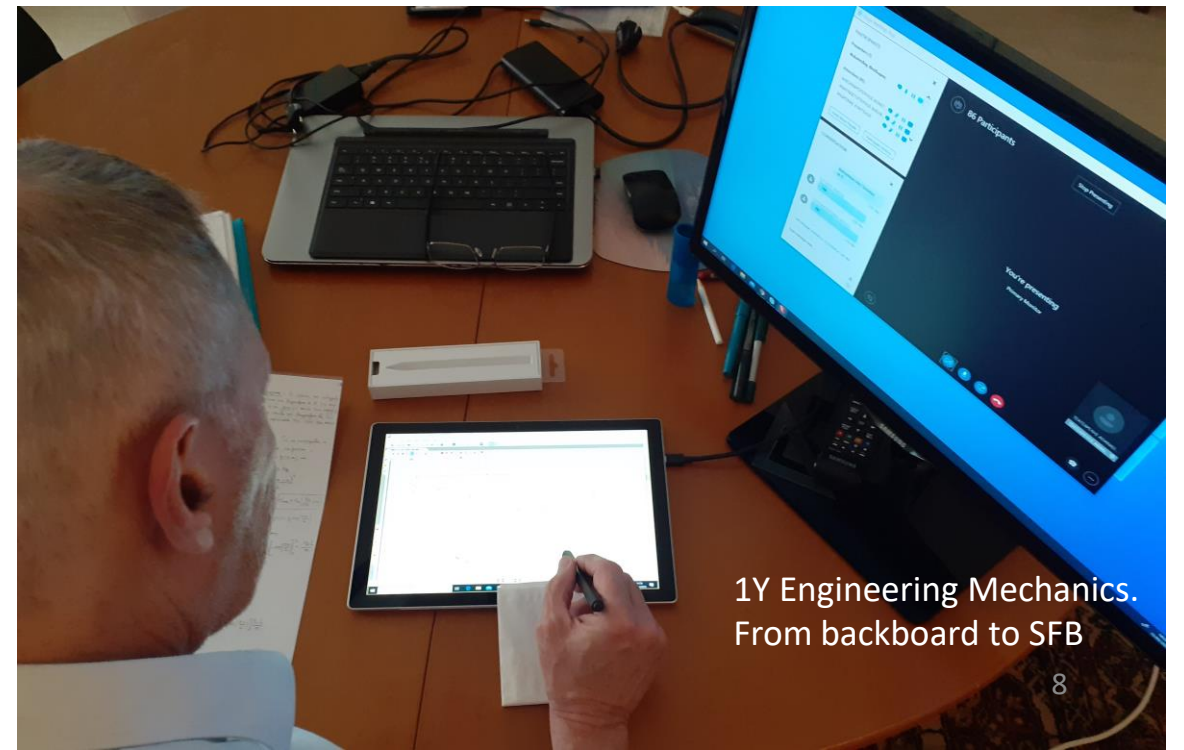
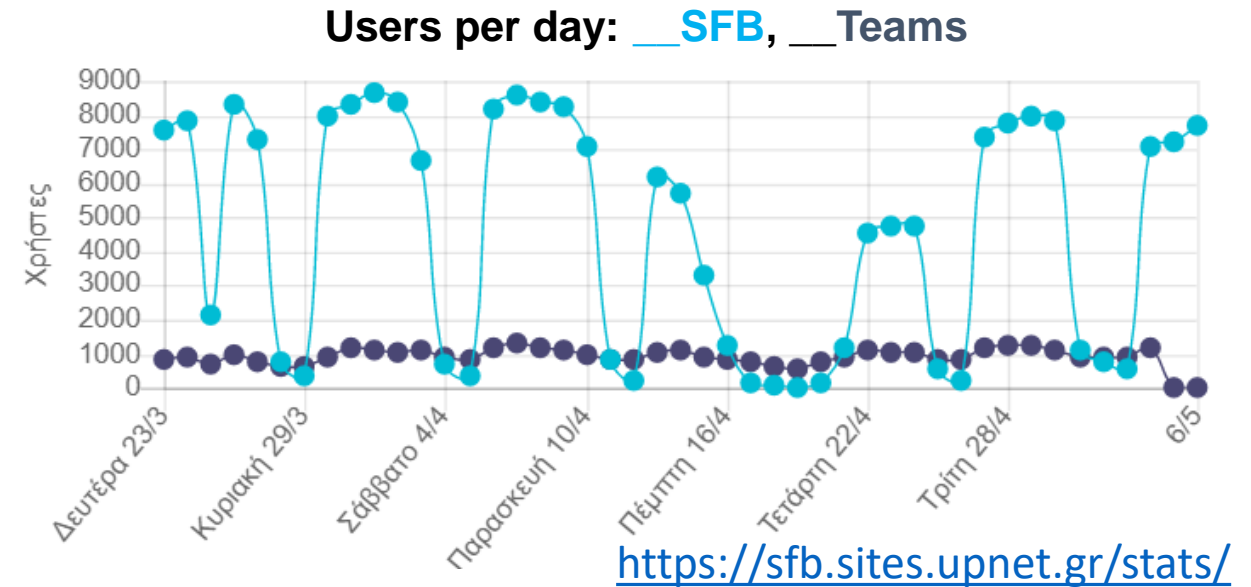
The screenshot shows a Microsoft Teams chat window. The chat history includes:

- A message from Δασκάλα Βικτωρία: 3/18 10:29 PM: "Scheduled a meeting".
- A meeting announcement: "Online Εργαστήριο Βάσεων Δεδομένων Occurs every Thursday @3:00 PM until 5/31/20".
- A message from Δασκάλα Βικτωρία: Thursday 5:31 PM: "Οι λύσεις στις σημερινές ασκήσεις εργαστηρίου. Αν τις αντιγράψετε από το Power Point στην Access προσέξτε τα μονά αυτάρια." followed by a file upload: "05-SQL_solved_final_en_v1_lab_14-5-2020.ppt".

Lesson 3: Adapt fast

(University's view)

- 16.3: Special Committee:
 - Adopt MS Skype for Business (courses with large audience)
 - Guidelines for faculty and students
 - <https://sfb.sites.upnet.gr/>
 - Establish specialized help-desk
 - Educate the faculty (5 webinars, > 300 participants)
- 6.4: Propose MS Teams for small courses
 - <https://teams.upatras.gr/>
- 9.4: 97% of Upatras courses via e-learning (1347 courses)
- Faculty experiments with video live streaming (twitch, youtube)

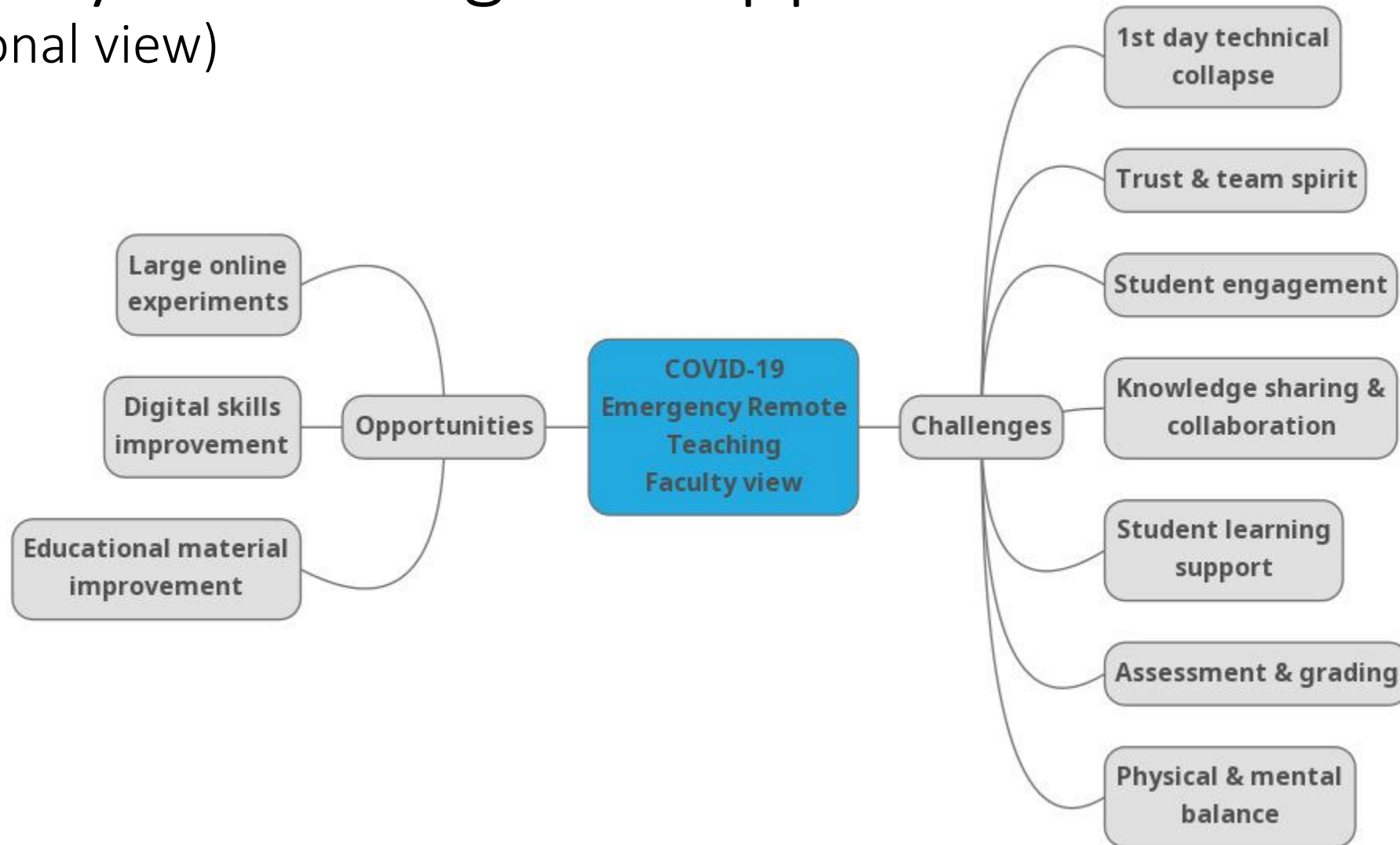


Lesson 4: Ουδέν κακόν αμιγές καλού

Ancient Greek quote: Find something good when a bad thing happens

Faculty's challenges & opportunities

(personal view)



Student's Opinion

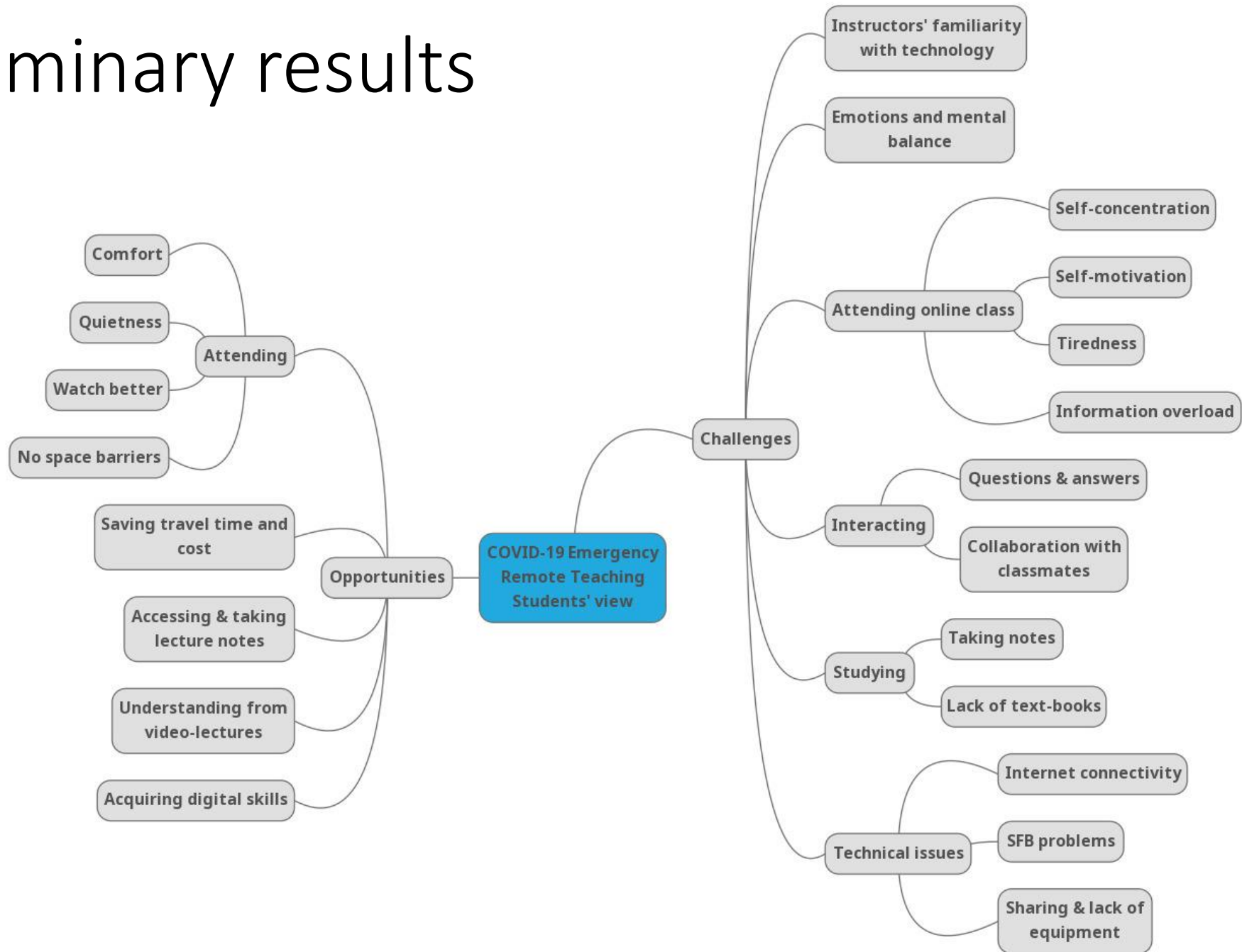
University Research

- Online questionnaire to all students, 31.3-3.4.2020(3.446 responses)
 - 82.30 %: Timely reaction by the University
 - 77.05%: Positive judgments about the degree of satisfaction
 - 54.88% : Major problem the lack of text-books
 - Technical problems limited

Qualitative Research

- 2 open questions about challenges and opportunities of distance learning during crisis, 7-14.5.2020 (160 responses):
 - Polytechnic school (1Y):
 - 101 responses
 - Economics school (2Y, 4Y):
 - 59 responses

Preliminary results



Key take-aways

- Emergency Remote Teaching is not Online learning
- Transition to online needs effort:
 - University, faculty and student technical readiness
 - Instructional design
 - Adult pedagogy
 - Incentives
- Without e-learning we couldn't overcome the crisis, but we must
humanize technology in learning

Thank you! Q&A?

Dedicated to my online students and to the NOC help-desk team

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Key references

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Hodges, C., Moore, S., Lockee, B., Trust, T., & Bond, A. (2020). The difference between emergency remote teaching and online learning. *EDUCAUSE Review*. <https://er.educause.edu/articles/2020/3/the-difference-between-emergency-remote-teaching-and-online-learning>

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