



Due to the current COVID-19 pandemic, various issues are coming more and more into the focus of the public - including digitization and sustainability.

The following survey is intended to examine social and ecological aspects of digital education with regard to sustainability and, based on that, to further shaping inclusive, progressive teaching and learning. This survey takes about 10-15 minutes.

All data are collected anonymously and are not passed on to third parties. Thank you for your participation.



Section A: Personal data

A1. Please select whether you are part of the university staff or a student at the TU Chemnitz.

University employee

Student Bachelor

Student Master

A2. What semester are you in?

A3. What faculty do you belong to?

Faculty of Natural Sciences

Faculty of Mathematics

Faculty of Mechanical Engineering

Faculty of Electrical Engineering and Information Technology

Faculty of Computer Science

Fakultät für Wirtschaftswissenschaften

Faculty of Economics and Business Administration

Faculty of Humanities

Faculty of Behavioural and Social Sciences



A4.

Age:

(Enter a number like 24. Not your date of birth.)

A5. Gender:

Female

Male

Prefer not to say

Other

Other

Section B: Teaching and learning in times of Covid-19 (I)

B1. Please estimate the following statements depending on the degree of your consent.

Do not agree at all Rather disagree Partly agree Agree Strongly agree

I missed the direct personal contact with fellow students, colleagues or teachers during the COVID-19 pandemic.

I missed the usual change of location between the university and my place of residence during the COVID-19 pandemic.



Do not
agree at
all Rather
disagree Partly
agree Agree Strongl
y agree

The time I saved by not having to travel to the university, I could use well elsewhere.

.....

The time I saved by not having to go to the university, I could use for (digital) consumption.

.....

Constantly working or learning at home makes it difficult for me to separate my private from professional life.

.....

Working or learning at home makes me quickly feel overburdened.

.....

I prefer to work or learn paperless.

.....

I find working or learning at home rewarding.

.....

I consider digital teaching as an appropriate equivalent to classroom teaching.

.....

I could imagine to hold more digital courses in the future.

.....

I consider a combination of classroom and digital teaching to be promising for the future.

.....

B2. Please estimate the following statements depending on the degree of your consent.

Do not
agree at
all Rather
disagree Partly
agree Agree Strongl
y agree

I missed the direct personal contact with fellow students, colleagues or teachers during the COVID-19 pandemic.

.....

I missed the usual change of location between the university and my place of residence during the COVID-19 pandemic.

.....

The time I saved by not having to travel to the university, I could use well elsewhere.

.....

The time I saved by not having to go to the university, I could use for (digital) consumption.

.....

Constantly working or learning at home makes it difficult for me to separate my private from professional life.

.....

Working or learning at home makes me quickly feel overburdened.

.....



Do not
agree at
all Rather
disagree Partly
agree Agree Strongl
y agree

I prefer to work or learn paperless.

I find working or learning at home rewarding.

I consider digital teaching as an appropriate equivalent to classroom teaching.

I could imagine to attend digital courses more often in the future.

I consider a combination of classroom and digital teaching to be promising for the future.

Section C: Teaching and learning in times of Covid 19 (II)

C1. I can focus on my tasks and be productive in my work.

Yes No No use

At home

At the university office

Work places and study rooms in the university or library

PC workstations

Train

Public transport

Car, carpooling or carsharing

With fellow students or in groups



C2. I tend to get easily distracted while I am studying or working.

	Yes	No	No use
At home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At the university office	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work places and study rooms in the university or library	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PC workstations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Train	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Car, carpooling or carsharing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With fellow students or in groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C3. What are sustainability-conscious digital courses in your opinion? [Multiple selection possible]

- Solely self-study: Upload of materials & possibility of consultation in case of questions
- Auditory: Presentation of materials with auditory explanation
- Visual: Presentation of materials by means of video
- Self tests
- Use of digital forum function
- Formation of learning groups
- Blended-Learning-Design: Kombination aus digitalen und Präsenzelementen



Blended learning design: Combination of digital and classroom elements

Other

Other

C4. What do you find particularly challenging while working and learning at home?

C5. What advantages of digital courses do you see compared to classroom courses with regard to sustainability?



C6. What disadvantages of digital courses do you see compared to classroom courses with regard to sustainability?

Section D: Digitization and Sustainability (I)

D1. There is the opportunity to use a quiet workplace or to set it up temporarily at home.

Yes

No

D2. What equipment do you use for digital courses? [Multiple selection possible]

Notebook

Additional screen

Microphone

Headset

Camera

Tablet

Smartphone

Printer

Powerbanks



Television

Other

Other

D3. The following equipment has been purchased or borrowed especially for digital courses since March 2020:

	Acquir ed	Borrow ed	Neither / Already existing
Notebook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microphon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camera	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smartphone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Printer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Powerbanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Television	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



D4. For the acquisition of necessary technical equipment for digital courses I have sufficient financial resources.

Yes

No

D5. When purchasing technical equipment I pay attention to sustainability labels / circularity / sustainable production or value chains and select my product(s) and service(s) accordingly.

Yes

No

Sometimes

D6. Is the bandwidth of your internet connection at home sufficient for digital teaching and learning?

Yes

No

D7. Based on challenges concerning bandwidth of internet connection:

:

Very rarely Rarely From time to time Often Very often

How often have you experienced problems?

.....

D8. I do not care where the power for my digital consumption comes from.

Yes

No



D9. Do you use green electricity at home?

Yes

No

D10. I do know about the greenhouse gas reduction strategies of my provider for digital products or services.

Yes

No

D11. I am actively looking for providers of digital products and services who pursue a proactive climate strategy or other sustainability strategies.

Yes

No

D12. I do know about the sustainability effects of using digital media and services.

Yes

No

Section E: Digitization and Sustainability (II)

E1. My digital usage pattern is:

Very rarely	Rather rarely	From time to time	Quite often	Very often
-------------	---------------	-------------------	-------------	------------

I always send large files (larger than 25 MB) as e-mail attachments.

.....

I use cloud solutions to store large files (larger than 25 MB).

.....

I regularly delete outdated files.

.....

I always print files and store them.

.....



Very rarely Rather rarely From time to time Quite often Very often

I avoid printing on paper.

E2. I use Streaming media daily ... hours (on average).

--	--	--

E3. How has your consumption behaviour changed while working or learning at home compared to working or learning at the university?

	Increasing	Unchanging / Not applicable	Decreasing
Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E-Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social interaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of social media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consumption and storage of gigabytes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Streaming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binge-Watching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downloads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E4. I use my digital devices until they break down or cannot be repaired any longer.

	Yes	Partly	No	Not applicable
Smartphone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notebook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	Yes	Partly	No	Not applicable
Keyboard/Mouse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Camera	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Printer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Powerbanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Television	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E5. What means of transport do you mainly use to get to the university? [Multiple selection possible]

On foot	<input type="checkbox"/>
Bicycle	<input type="checkbox"/>
Car	<input type="checkbox"/>
Carpooling / Carsharing	<input type="checkbox"/>
Public transport	<input type="checkbox"/>
Train	<input type="checkbox"/>
Other	<input type="checkbox"/>

Other



Thank you very much for your participation in the survey on digitization and sustainability in teaching and learning. In doing so, you are contributing to the further development and improvement of digital education with regard to ecological and social sustainability.