SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY

FIG NL THE NETHERLANDS

e WORKING WEEK 2021
20-25 JUNE

Dr. Audrey Martin FSCSI

Workshop

TU Dublin, Ireland Geospatial Student Experiences During Covid19

June 24th, 10:30-12:30

ORGANISED BY FIG · G+N Geo-Informatie Nederland · kadaster · ITC UNIVERSITY OF TWENTE

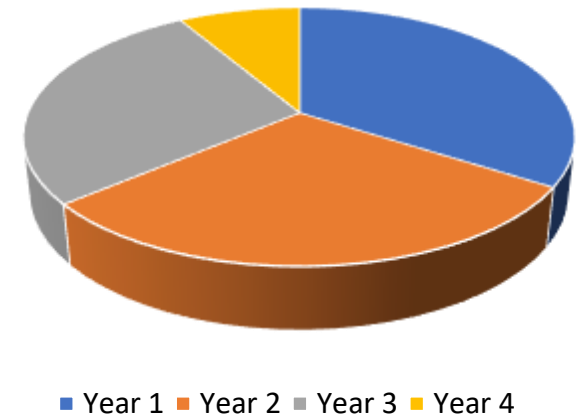PLATINUM SPONSORS · Trimble. · esri THE SCIENCE OF WHERE

Technological University (TU) Dublin Ireland
School Survey: Student Online learning experiences during Covid19

Dr. Audrey Martin, Ruairi Hayden, Dr. Roisin Murphy Dr. Frank Harrington, Dr. Dermot Kehily.
School of Surveying and Construction Management (SSCM)

- TU Dublin: Full-time and Part-time Undergraduate and Postgraduate programmes across **Geospatial Surveying**, Real Estate, Quantity Surveying and Construction Management. 510 usable survey responses.

- Research Aim:
  - to inform future curriculum development in the SSCM
  - to disseminate the data for the benefit of the professions and
  academic community

■ Year 1 ■ Year 2 ■ Year 3 ■ Year 4

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What learning activities must be face-to-face?

Practical classes – Field demonstrations & survey project work

Ideally – Computer labs

Agree & Strongly Agree

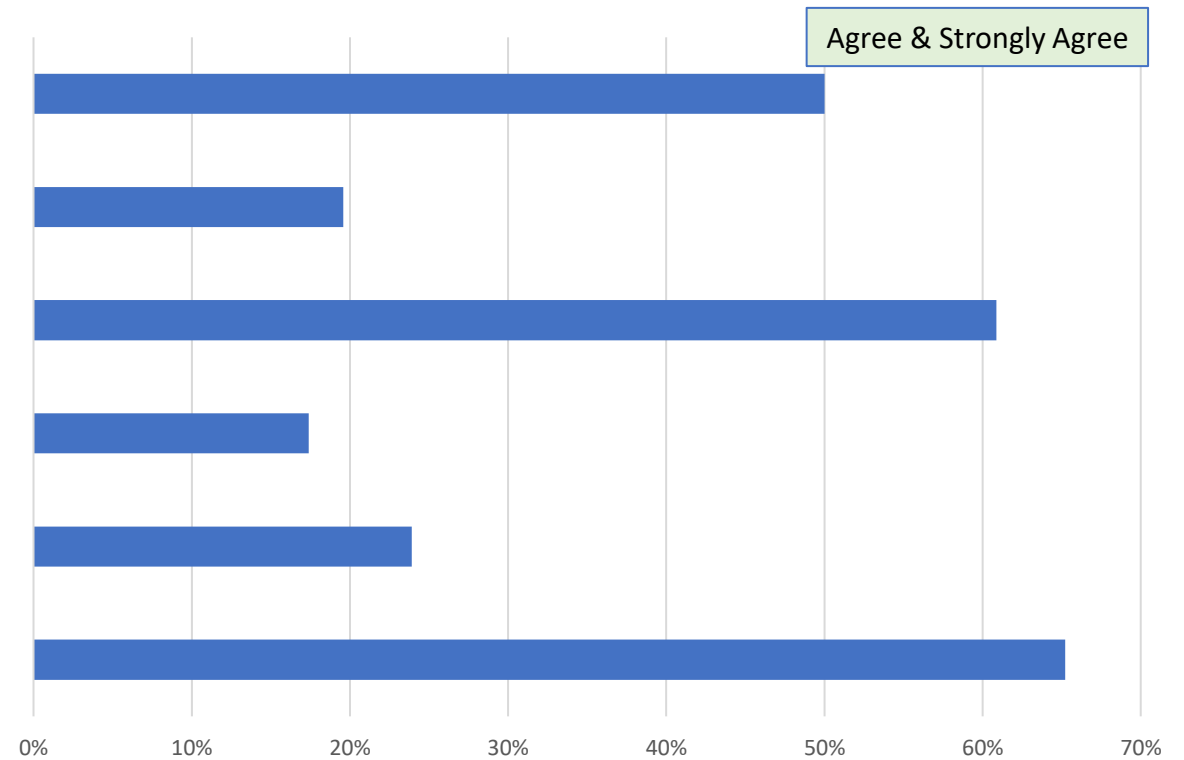The cost of electronic devices required is a significant problem

My device is incompatible with the software

Difficulty downloading required software onto my device

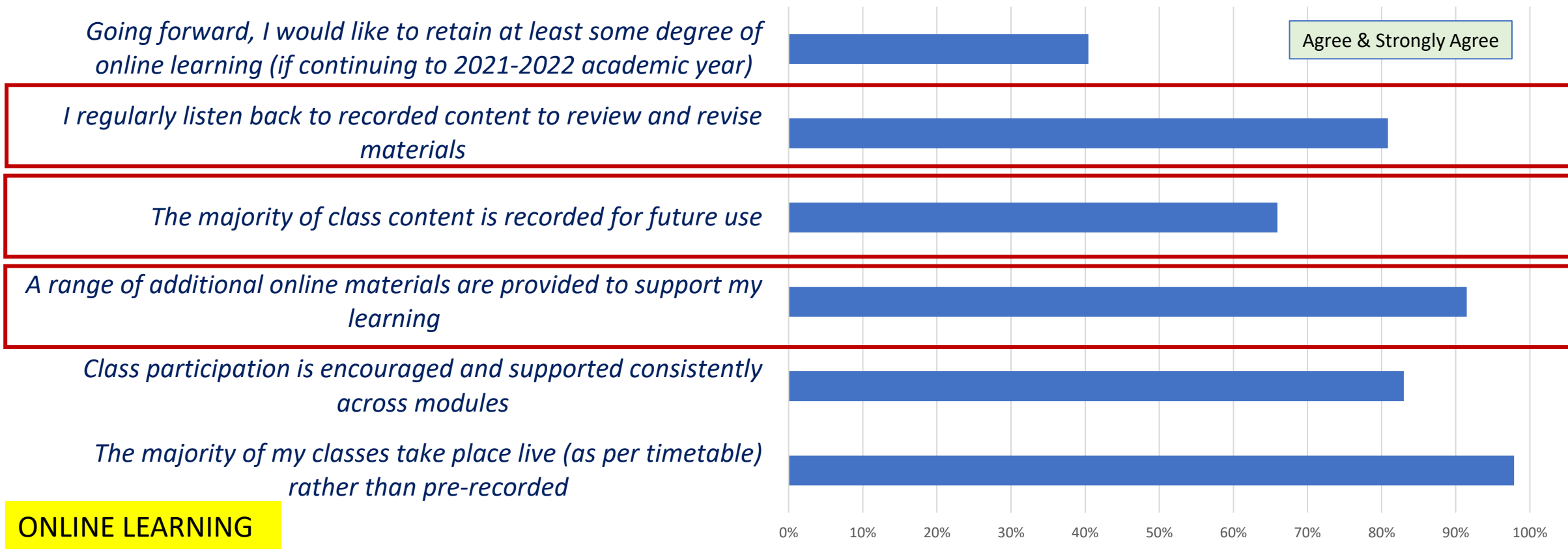Lack of IT support from supplier of software

Insufficient training provided on required software to undertake my college work

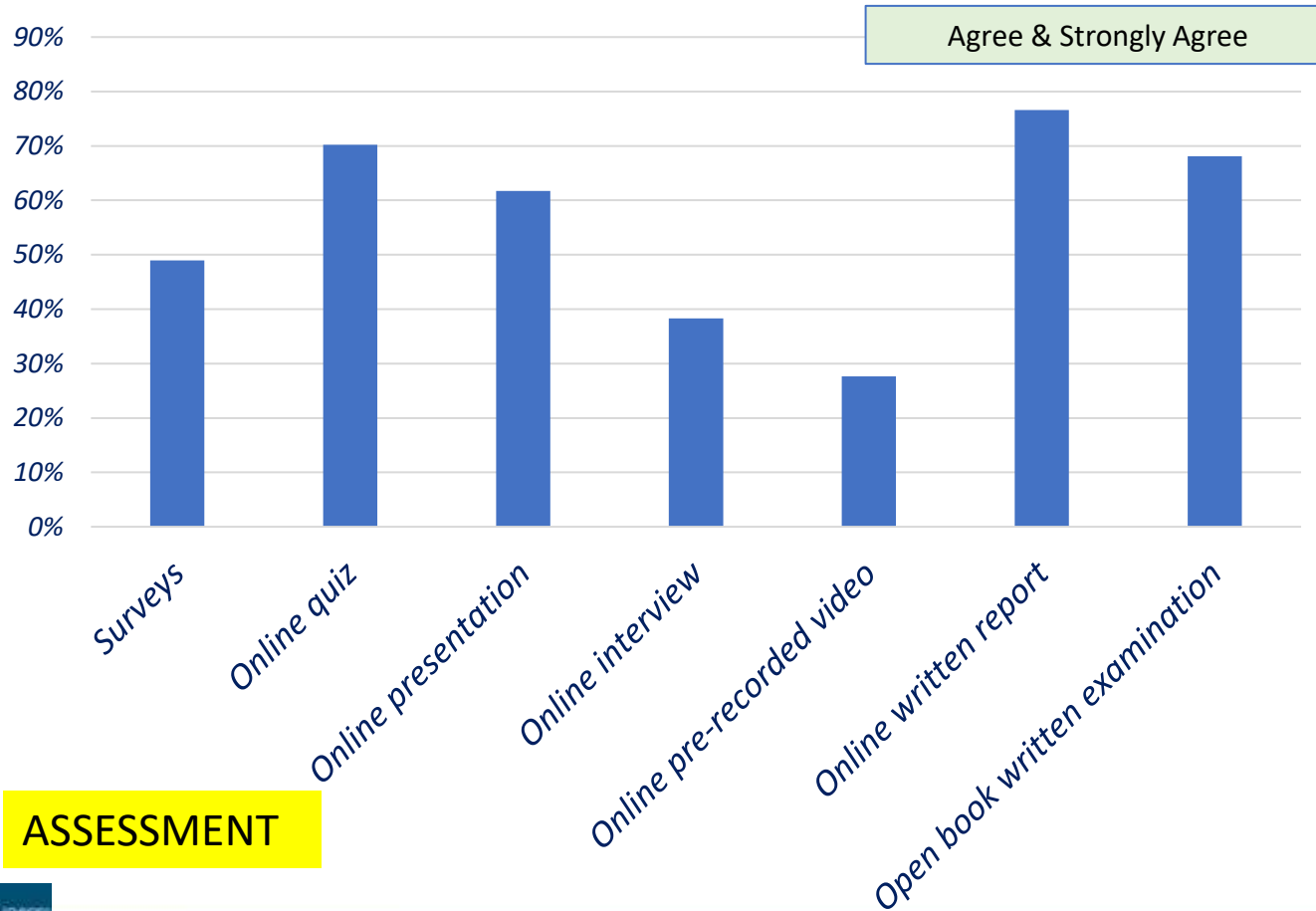Poor broadband coverage has resulted in my missing class

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How can face-to-face learning benefit from online content?

Going forward, I would like to retain at least some degree of online learning (if continuing to 2021-2022 academic year)

I regularly listen back to recorded content to review and revise materials

The majority of class content is recorded for future use

A range of additional online materials are provided to support my learning

Class participation is encouraged and supported consistently across modules

The majority of my classes take place live (as per timetable) rather than pre-recorded

Agree & Strongly Agree

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

ONLINE LEARNING

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What learning activities are most suited to online teaching?
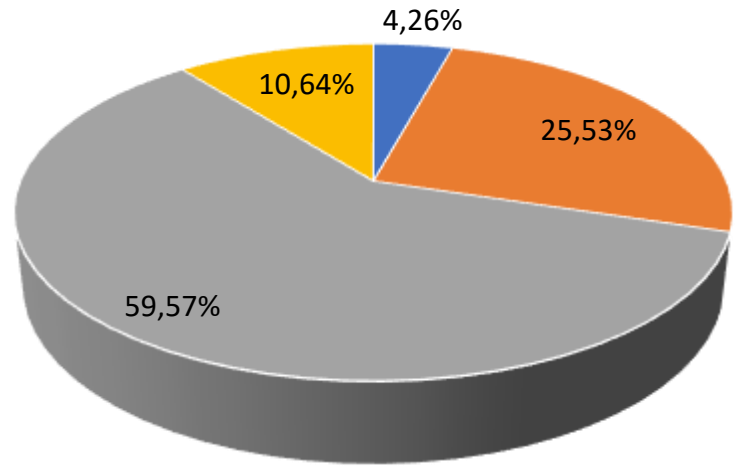
Chalk & Talk classes

Assessment Methods

76% - Online assessment an effective method to demonstrate my knowledge

70% - Online assessment is less stressful than in-person assessment

55% - Feedback provided to me on my assessments has been timely

85% - Feedback provided to me on my assessments is acted upon

Agree & Strongly Agree

Activity	Percentage
Surveys	~49%
Online quiz	~70%
Online presentation	~62%
Online interview	~38%
Online pre-recorded video	~28%
Online written report	~77%
Open book written examination	~68%

ASSESSMENT

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How can online content be blended with face-to-face activities?

4,26%

10,64%

25,53%

59,57%

■ 0 - 1 hours ■ 2 - 3 hours ■ 4 - 5 hours ■ 6 - 7 hours

Preferred number of online contact hours

Clever Timetabling:
Onsite & Offsite

Blended Access:
Dedicated lecture theatres with screen-casting and video equipment

One Access Point:
One Virtual Learning Environment (VLE)
Reduce PC requirements
Remote Access to University IT & software

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Student Responses to online learning

Positives

Negatives

'Online learning improves accessibility to the course for geographically distant students'

'Storage space…'

'Software requirements were quite heavy for certain modules…'

'… initial reservations about remote learning but having experienced it since start of last September, I would have a preference to continue with remote learning going forward, …'

'…interactive learning face-to-face is a necessity …. thus impacting the rate at which new softwares can be learned.

'Recorded lectures and labs/tutorials have been a saviour this year..'

'The hardest part on the online aspect was not being able to stop and wind down'

'After the first seventy or so minutes of a class, it becomes very difficult to concentrate, this happens less in person as the classes are more interactive'

'I would like to see some modules go fully online but not all.'

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Thank You

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