COVID-19 effects in an online university & the role of IMS standards

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Online University
Started in 1995
Fully online university

76,574 students
73,598 graduates
562 faculty staff
3,991 Instructors
6,438 classrooms
+560,000 activities
+370,000 assignments x term

27 bachelor’s degrees
76 master’s degrees
3 PhD’s
271 postgraduates & specializations
Continuous Assessment (CA)

- Online learning
- Course-centered learning

Learning model:

- By Assignments
- Continuous assessment
- UOC learning communities and groups (guided by programs and courses)

Learning support:

- Student Accompaniment
- Tutoring and advising process
- Teaching staff support

Learning communities:

- UOC learning communities and groups

Resources:

- Content-based learning (library support, publishing and sharing)

User interface:

- Asynchronous interaction (the most)
- Multilingual environment

Assessment:

- Activity-based learning
- Collaborative-based learning

Classroom:

- Classroom Design
- Change classroom

Test classroom:

- Course plan
  - Activity (CAT)
  - Non-assessable activity
  - Practical

Teaching staff:

- Competency-based assessment
- Research and innovation

UOC learning communities and groups:

- Networked community
- Learning communities (guided by programs and courses)
Before COVID-19 Situation

Assessment Models

- Continuous Assessment (fully online)
- Continuous assessment only
- Continuous assessment & Project

Final Assessment (offline, f2f)

- without final assessment: 43%
- with final assessment: 57%

Validation Test (in a physical location)

- 65,600* tests (3,000 from foreign country residing students)

Final Test (in a physical location)

- 10,900* tests

Continuous assessment & Project

- 370,000 assignments

* Data from sep. 2019 – feb. 2020 semester
Before COVID-19 Situation – Final Assessment Process (offline)

If Continuous Assessment then Validation Test else full Exam
Before COVID-19 Situation – Final Assessment Process (online)

Foreign country residing students (3,000)
After COVID-19 Situation. The plan to be fully online

<table>
<thead>
<tr>
<th>Assessment Models</th>
<th>Validation Test (VT)</th>
<th>Final Test (FT)</th>
<th>1. Pass Continuous Assessment</th>
<th>2. No Pass CA</th>
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<tbody>
<tr>
<td></td>
<td>65,600 tests</td>
<td>10,900 tests</td>
<td>a) Optative subjects: NO VT</td>
<td>Final Test case</td>
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<td>b) No Key must subjects:</td>
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<td>- Pas physical VT to Continuous Assessment activity</td>
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<td>c) Key must subjects:</td>
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<td>- Pas physical VT to online VT</td>
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</tbody>
</table>

3. Pass CA (some subjects do not follow CA)

|                   |                      |                | a) No Key must subjects*:      |               |
|                   |                      |                |   - Pas physical FT to Continuous Assessment activity |               |
|                   |                      |                | b) Key must subjects:          |               |
|                   |                      |                |   - Pas physical FT to online FT |               |

4. No Pass CA

|                   |                      |                | Pas physical FT to online FT. |               |
02 Recommendations for online FT & online VT
Final test/final validation as a continuous Assessment activity

- Notes and learning resources allowed
- Tests need redesign

Think in the time needed for answering. Real time studying is not allowed.

You need a plan to solve problems and answers in real time.
- Forum, chat, others.

B Plan. Contingency plan is required.
Recommendations for online FT & online VT
Final test/final validation as an Oral examination (videoconferencing)

- 1 validation question
- 1 summary question
- needs preparation

Think in the time that you need to meet all the students.

Consent or new agreement is required (GDPR)

No more than 40 students for teacher
02 Recommendations for online FT & online VT

Final test/Final validation using biometrics

- Select the best biometrics for your test (face, voice recognition, keystroke, ...).
- Biometrics need set up (enrollment) in a secure context.
- Consent or new agreement is required (GDPR).
- B Plan. Contingency plan is required.
Previous experiences to achieve the plan in 2 month

- **e-exam**: 2003
  - 3,000 Students x semester

- **Val-ID**: Des de 2012
  - 23,000 Students of 7 universities

- **TeSLA**: 2016-2019
  - 76,574 All UOC students

- **UOC**: June 2020
Technology map. Scaling/testing project (April - June)

- SIS
- LMS
- Scheduling tool (waiting room)
- Assessment tool
- Biometric tools (Face Recognition)
- Plagiarism tool
- Chat
- Videoconference
- Test & Set Up
- Doubts
An ideal world with IMS 100% adopted …
Thank you!

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