ECAR 2019 Student Study
Students and their experience of information technology

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Visit the research report at: https://tt.eduuni.fi/sites/kity/publicAAPAFUCIOdocs/ECAR/ECAR2019_Raportti.pdf
Overall technology experience

2.1 How would you describe your overall technology experience at your institution?

- **Fin All**
  - Excellent: 25%
  - Good: 50%
  - Neutral: 25%
  - Fair: 0%
  - Poor: 0%

- **UNI**
  - Excellent: 25%
  - Good: 50%
  - Neutral: 25%
  - Fair: 0%
  - Poor: 0%

- **UAS**
  - Excellent: 25%
  - Good: 50%
  - Neutral: 25%
  - Fair: 0%
  - Poor: 0%

- **ECAR All**
  - Excellent: 25%
  - Good: 50%
  - Neutral: 25%
  - Fair: 0%
  - Poor: 0%

% based on field of study weight (excl. MPKK)
ECAR Survey

EDUCAUSE Center for Analysis and Research
https://www.educause.edu/ecar/

n = 3193

9 UNI  17 UAS

Preparation
January

Data collection
March

Analysis
August-Sept.

Report
October

USA
41650

n = 54529

Finland

Trinidad - Tobago

Pakistan

Turkey

South-Africa

Canada
Participants

- Fulltime: 3193
- Part-time: 3127

Year / UNI
1. Freshman or first-year student
2. Sophomore or second-year student
3. Junior or third-year student
4. Senior or fourth-year student
5. Fifth-year student or beyond
Other type of undergraduate student

Year / UAS
1. Freshman or first-year student
2. Sophomore or second-year student
3. Junior or third-year student
4. Senior or fourth-year student
5. Fifth-year student or beyond
Other type of undergraduate student

Full list of participating organizations is at the end of slides

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Devices: Laptop use and importance

3.4 My instructors have me use my laptop as a learning tool in class

1.4 How important is [laptop] to your academic success?

- Strongly agree / Extremely important
- Agree / Very important
- Neutral / Moderately important
- Disagree / Not very important
- Strongly disagree / Not at all important

% based on field of study weight (excl. MPKK)
Online success tools

2.5a To the best of your knowledge, which of the following online student success tools are provided by your institution?

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>0%</th>
<th>5%</th>
<th>10%</th>
<th>15%</th>
<th>20%</th>
<th>25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree planning or mapping tools that identify courses needed to complete your degree</td>
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<td>Self-service systems for tracking credits, credit transfers, and dual enrollment</td>
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<tr>
<td>Self-service tools for conducting student-related business</td>
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<tr>
<td>Degree audit tools that show the degree requirements completed</td>
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<td>Guidance about courses you might consider taking in the future</td>
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<tr>
<td>Tools that suggest new or different academic resources</td>
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<tr>
<td>Self-service referral systems to social or community resources</td>
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<tr>
<td>Tools that suggest how to improve performance in a course</td>
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<tr>
<td>Early-alert systems designed to catch potential academic trouble as soon as possible</td>
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</tr>
</tbody>
</table>

Give instructions and tell requirements and schedules of the required tasks and the whole course online.
2.6a In the past 12 months, how much did you use your institution’s learning management system

- Used for all my courses
- Used for most of my courses
- Used for about half of my courses
- Used for at least one course
- Did not use at all

**Use of LMS**

<table>
<thead>
<tr>
<th>Category</th>
<th>0%</th>
<th>25%</th>
<th>50%</th>
<th>75%</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fin</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ECAR</strong></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td><em>Computer and IT</em> (n=407)</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td><em>Health sciences</em> (n=281)</td>
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<tr>
<td><em>Military science</em> (n=150)</td>
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</tr>
</tbody>
</table>

* Few examples of different sciences

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LMS: Satisfaction and training

2.6b Overall satisfaction with LMS
- Very satisfied: 51%
- Satisfied: 31%
- Neutral: 8%
- Dissatisfied: 8%
- Very dissatisfied: 2%

2.7a. Institution provided LMS training?
- Yes, mandatory training: 12%
- Yes, optional training: 22%
- No: 40%
- Don't know: 20%
LMS: Support and satisfaction to support

Where do you go for [LMS] technical support

0% 10% 20% 30%

- My classmates
- My institution’s help desk
- My instructor(s)
- Google or other internet search
- My friends
- The help function within the LMS
- YouTube search
- My family
- Other

Overall satisfaction with LMS

0 % 25 % 50 % 75 % 100 %

- My institution’s help desk
- My instructor(s)
- Google or other internet search

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% of respondents (incl. MPKK)
3.1 In what type of learning environment do you prefer to learn?

- Completely F2F
- Mostly but not completely F2F
- About half and half
- Mostly but not completely online
- Completely online
- No preference

2.2 Have you taken any course that was completely online?

- None of my courses completely online
- Some but not all
- All online

% based on field of study weight (excl. MPKK)
### Preferred learning environment: activities or assignments

<table>
<thead>
<tr>
<th>Activity</th>
<th>Completely F2F</th>
<th>Mostly F2F, some online components</th>
<th>Blended</th>
<th>Mostly online, some F2F components</th>
<th>Completely online</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework / assignment submission</td>
<td>3%</td>
<td>51%</td>
<td>14%</td>
<td>27%</td>
<td>2%</td>
</tr>
<tr>
<td>Exams, quizzes, or tests</td>
<td>12%</td>
<td>25%</td>
<td>25%</td>
<td>10%</td>
<td>4%</td>
</tr>
<tr>
<td>Peer-reviewing / peer-grading activities</td>
<td>25%</td>
<td>10%</td>
<td>28%</td>
<td>9%</td>
<td>1%</td>
</tr>
<tr>
<td>Course-related discussions</td>
<td>21%</td>
<td>9%</td>
<td>25%</td>
<td>10%</td>
<td>4%</td>
</tr>
<tr>
<td>Lectures</td>
<td>28%</td>
<td>9%</td>
<td>21%</td>
<td>9%</td>
<td>2%</td>
</tr>
<tr>
<td>Asking questions</td>
<td>35%</td>
<td>8%</td>
<td>21%</td>
<td>9%</td>
<td>3%</td>
</tr>
<tr>
<td>Faculty / student conferences</td>
<td>45%</td>
<td>7%</td>
<td>16%</td>
<td>6%</td>
<td>2%</td>
</tr>
<tr>
<td>Student presentations</td>
<td>56%</td>
<td>5%</td>
<td>16%</td>
<td>6%</td>
<td>1%</td>
</tr>
<tr>
<td>Collaborations or projects with peers</td>
<td>56%</td>
<td>5%</td>
<td>16%</td>
<td>6%</td>
<td>1%</td>
</tr>
<tr>
<td>Labs / demonstrations</td>
<td>56%</td>
<td>5%</td>
<td>16%</td>
<td>6%</td>
<td>1%</td>
</tr>
</tbody>
</table>

% based on field of study weight (excl. MPKK)
3.3 What are the most important things for you to have when you are studying?

**Physical spaces**

- **Quiet places**: 0%
- **Room to spread out**: 10%
- **Rooms or spaces for collaboration**: 20%
- **Access to snacks and coffee/soda**: 30%
- **A secure place where you can leave your belongings for a short time**: 0%
- **Physical access to reference materials**: 10%

**IT related services**

- **Access to Wi-Fi**: 0%
- **Access to power outlets**: 10%
- **Access to specialized software**: 20%
- **Access to printers**: 30%
- **Mobile phone reception**: 0%
My instructors typically...

- Use technology to engage me in the learning process
- Use technology during class to enhance learning with additional materials
- Encourage me to use my own technology devices during class to deepen learning
- Encourage me to use online collaboration tools to communicate/collaborate
- Encourage me to use technology for creative or critical-thinking tasks
- Have me use my laptop as a learning tool in class

% based on field of study weight (excl. MPKK)
Students’ message to their instructors

1. Do not use technology for technology’s sake.
2. All course info and material should be online and only in one place. Material should be available before the start of the course and also after it.
3. Think how technology improves learning, don’t just dump files somewhere. Consider using visualization, simulation, quizzes during the lectures and voting systems to elevate teaching.
4. Lecture capture is a useful tool for distance learners or to revise lectures.
5. Please, learn then technology you intend to use also yourself.
Participants

- Yrkeshögskolan Arcada
- Centria ammattikorkeakoulu
- Haaga-Helia ammattikorkeakoulu
- Metropolia ammattikorkeakoulu
- Humanistinen ammattikorkeakoulu
- Hämeen ammattikorkeakoulu
- Jyväskylän ammattikorkeakoulu
- Kajaanin ammattikorkeakoulu
- Lahden ammattikorkeakoulu
- Lapin ammattikorkeakoulu
- Laurea ammattikorkeakoulu
- Oulun ammattikorkeakoulu
- Saimia ammattikorkeakoulu
- Satakunnan ammattikorkeakoulu
- Savonia ammattikorkeakoulu
- Seinäjoen ammattikorkeakoulu
- Tampereen ammattikorkeakoulu

- Aalto-yliopisto
- LUT yliopisto
- Maanpuolustuskorkeakoulu
- Tampereen yliopisto
- Itä-Suomen yliopisto
- Jyväskylän yliopisto
- Lapin yliopisto
- Oulun yliopisto
- Turun yliopisto