ECAR 2012 Study of Students and Technology

The University of North Carolina at Pembroke

AGE	% respondents (N=210)
• 18 to 24	• 58.5%
• 25 to 39	• 25.2%
• 40 and above	• 16.1%

Participant characteristics

CLASS	% respondents (N=210)
• First year	• 27.6%
• Sophomore	• 12.8%
• Junior	• 33.8%
• Senior	• 25.7%

Participant characteristics

DEVICE USE AND OWNERSHIP

Slides 5 to 10

Laptops

- 92.2% of respondents report using laptops

- Of those that use laptops, 92.7% report owning laptops

- Most, 84.5%, have Windows OS on the laptops they use (followed by MacIntosh, 11.7%)

- 88.3% of users report that laptops are very or extremely important to their academic success

Tablets

- 18.6% of respondents report using tablets

- Of those that use tablets, 94.5% report owning tablets

- Most, 62.5%, have iOS on the tablets they use (followed by Android, 20.8%)

- 45.8% of users report that tablets are very or extremely important to their academic success

Devise use and ownership

Smartphones

- 59.1% of respondents report using smartphones

- Of those that use smartphones, 96.7% report owning them

- Most, 67.0%, who have used them have Android smartphones (followed by iPhones, 25.6%)

- 41.4% of users report that smartphones are very or extremely important to their academic success

Dedicated e-readers

- 17.2% of respondents report using dedicated e-readers

- Of those that use tablets, 94.4% report owning dedicated e-readers

- Most, 53.8%, use Kindle (followed by Nook, 23.0% & Other, 23.0%)

- 30.6%% of users report that dedicated e-readers are very or extremely important to their academic success

Devise use and ownership

- **Desktop computers**

  - 66.7% of respondents report using desktop computers

  - Of those that use desktops, 52.8% report owning them

  - Most, 91.9%, who have used desktops have had a Windows OS (followed by Macintosh, 5.1%)

  - 65.3% of users report that desktop computers are very or extremely important to their academic success

Devise use and ownership

Area	Percentage
Access library resources	24.7%
Check grades	62.3%
Register for courses	32.1%
Access financial aid information	45.6%
Make textbook purchases	17.1%
Order transcripts	14.1%
Access course website or syllabi	68.7%
Access course or Blackboard	67.7%

Percent reporting that use of a handheld device (smartphone or tablet) is very or extremely important to their academic success in these areas

Device	Percentage
Netbook	10.1%
Printer	87.0%
Portable data storage device (e.g., thumb drive, portable hard drive)	75.3%
Dedicated digital camera or digital video camera (not part of another device)	19.2%
MP3 player/music device (other than iPod Touch)	21.4%
Handheld mobile device that is not a phone (e.g., iPod Touch)	17.1%

Percent reporting these other devices are very or extremely important to their academic success

Device	Percentage
Television	22.6%
Internet device that attaches to a television (e.g., Apple TV)	14.3%
DVD, BlueRay, or other movie player	16.6%
Webcam	15.4%
Scanner	35.3%

Percent reporting these other devices are very or extremely important to their academic success

TECHNOLOGY AND THE COLLEGE/UNIVERSITY EXPERIENCE
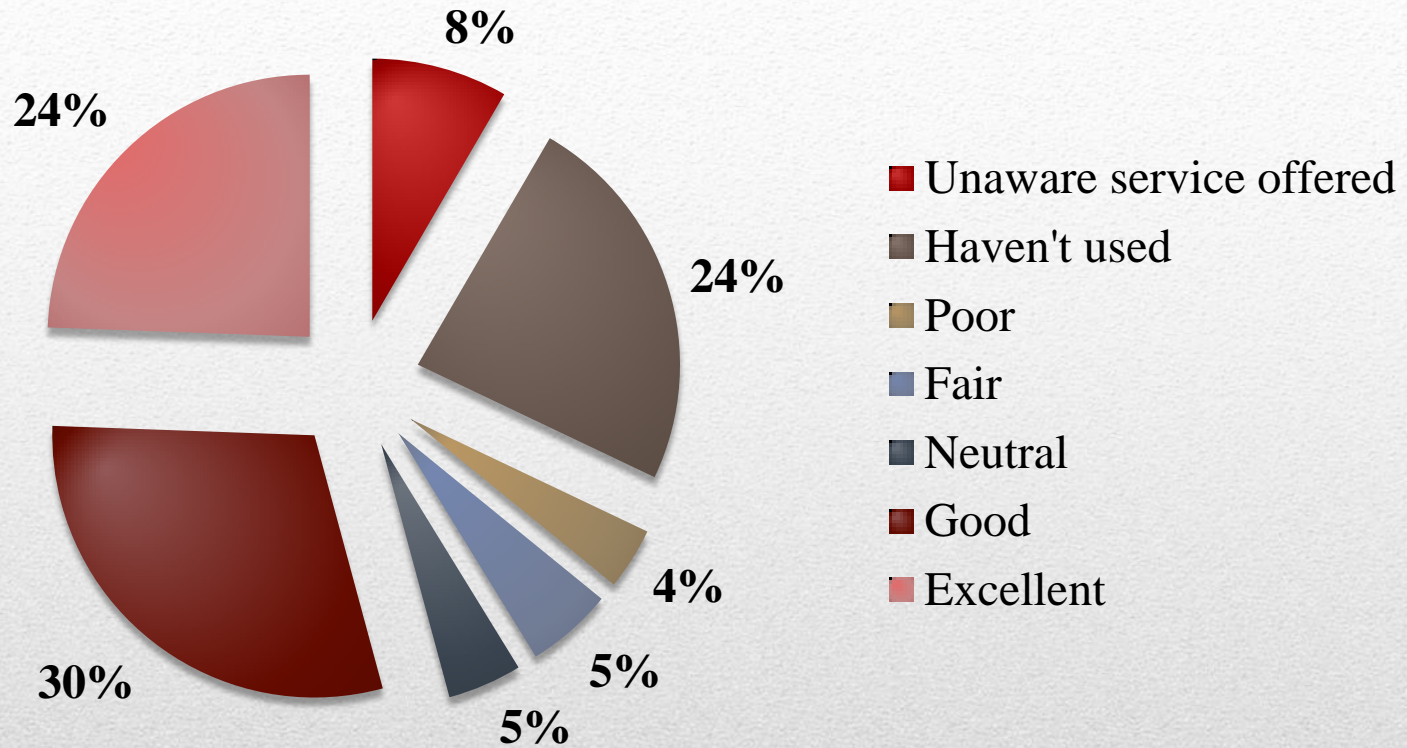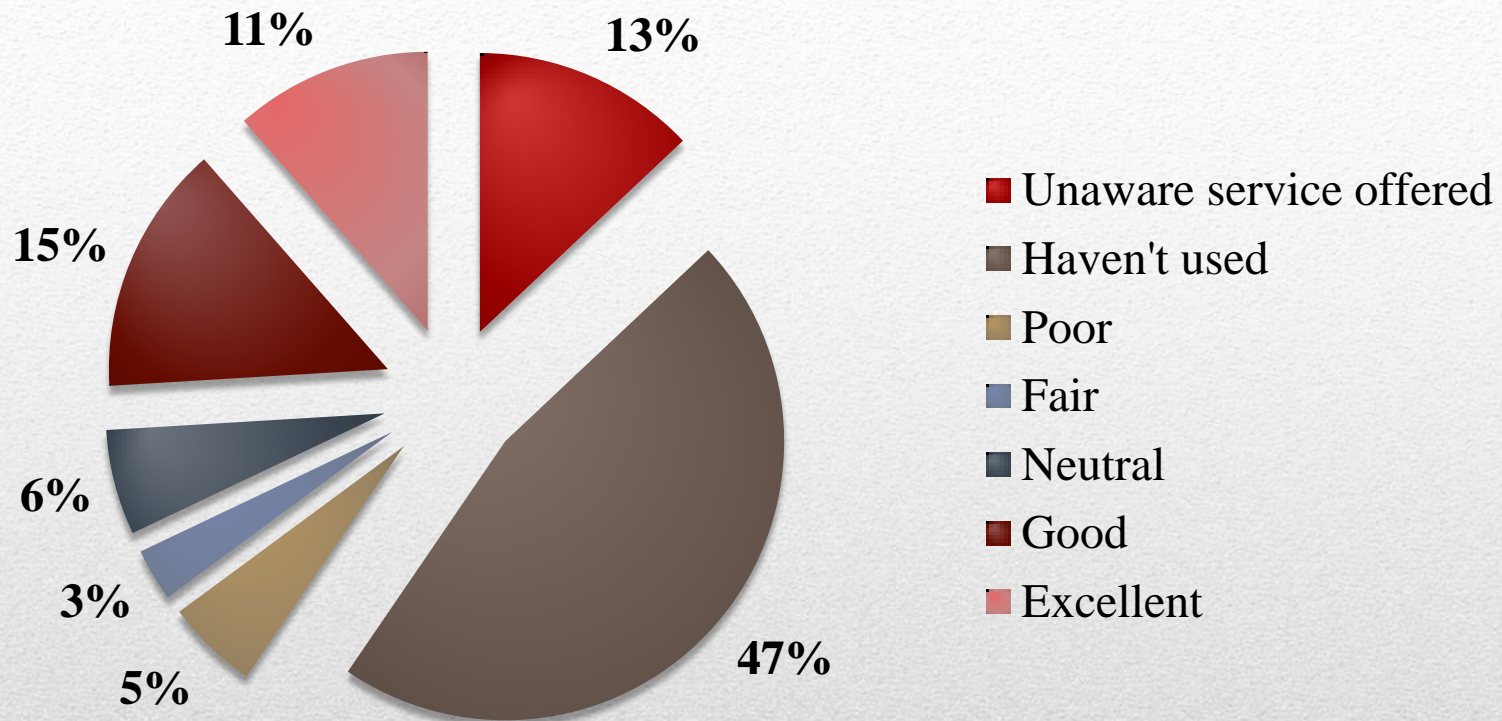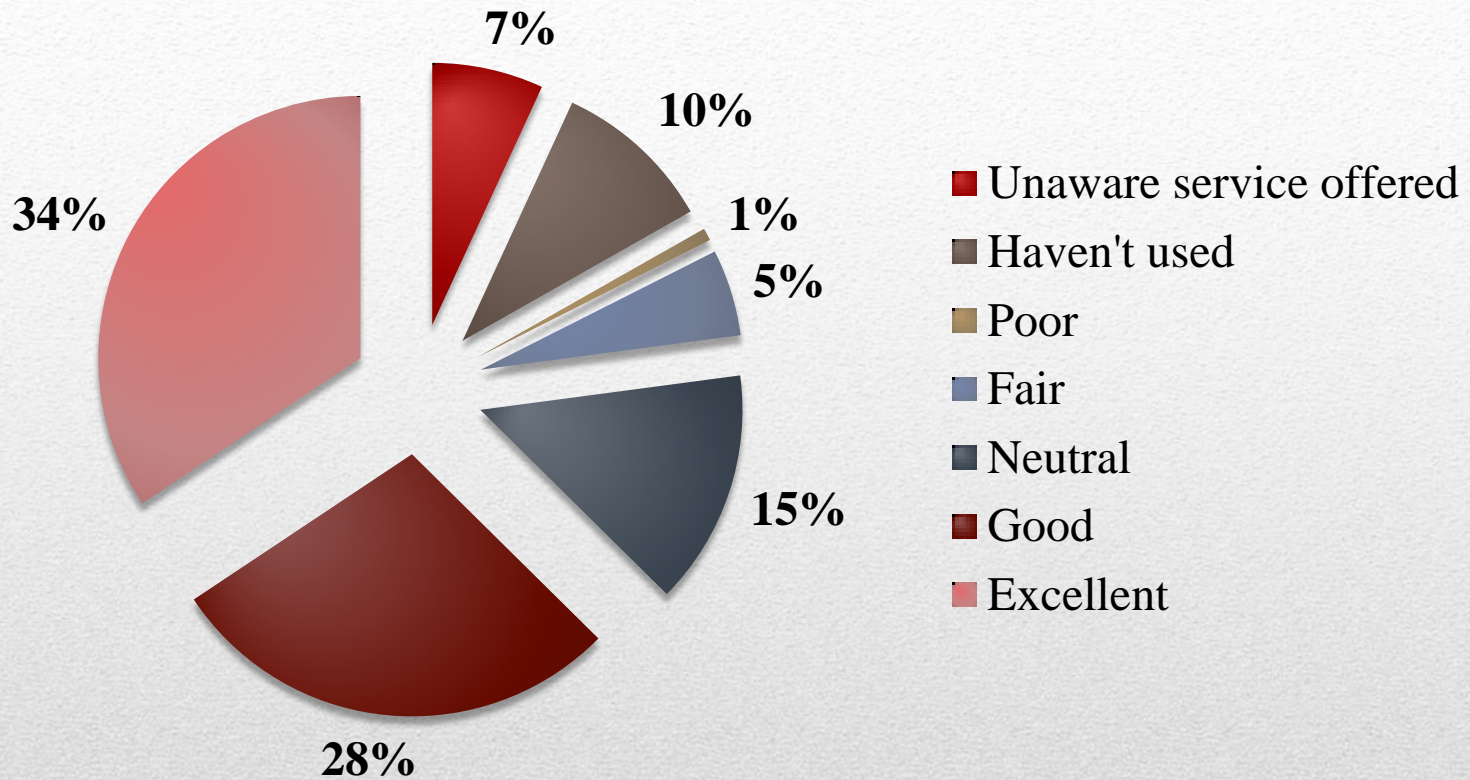
Slides 12 To 60
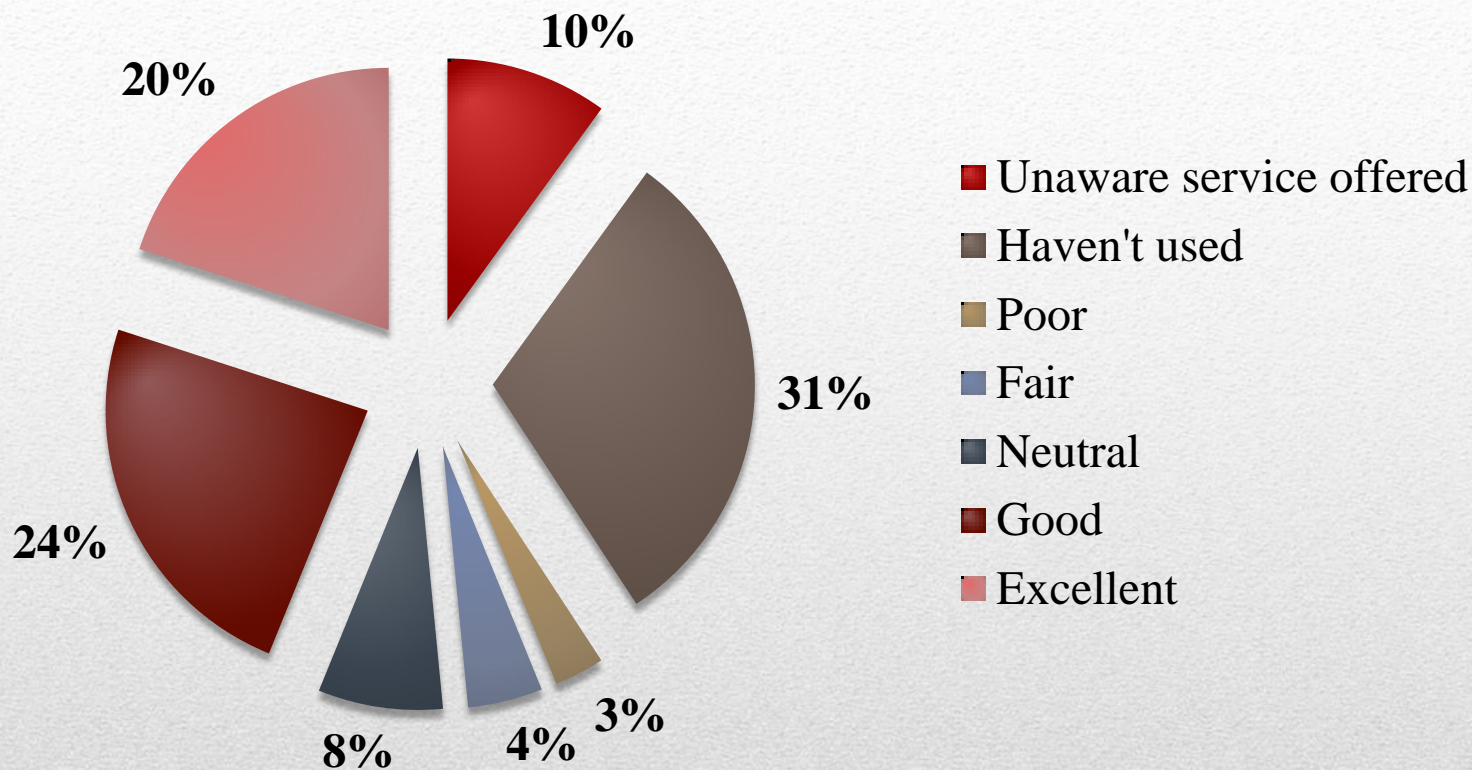
Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to providing access to library resources _via a handheld mobile device._
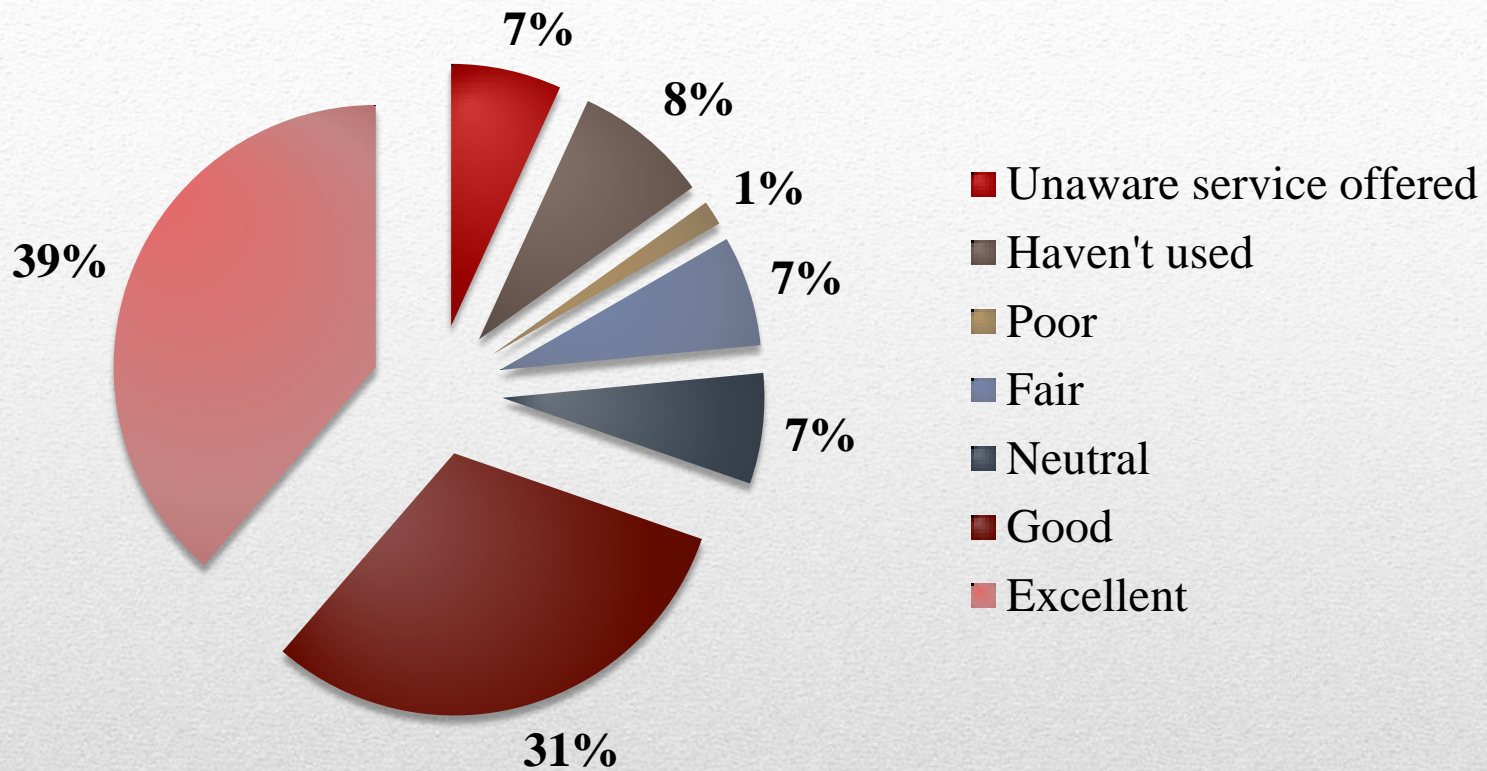
7%
8%
1%
7%
7%
31%
39%

- Unaware service offered
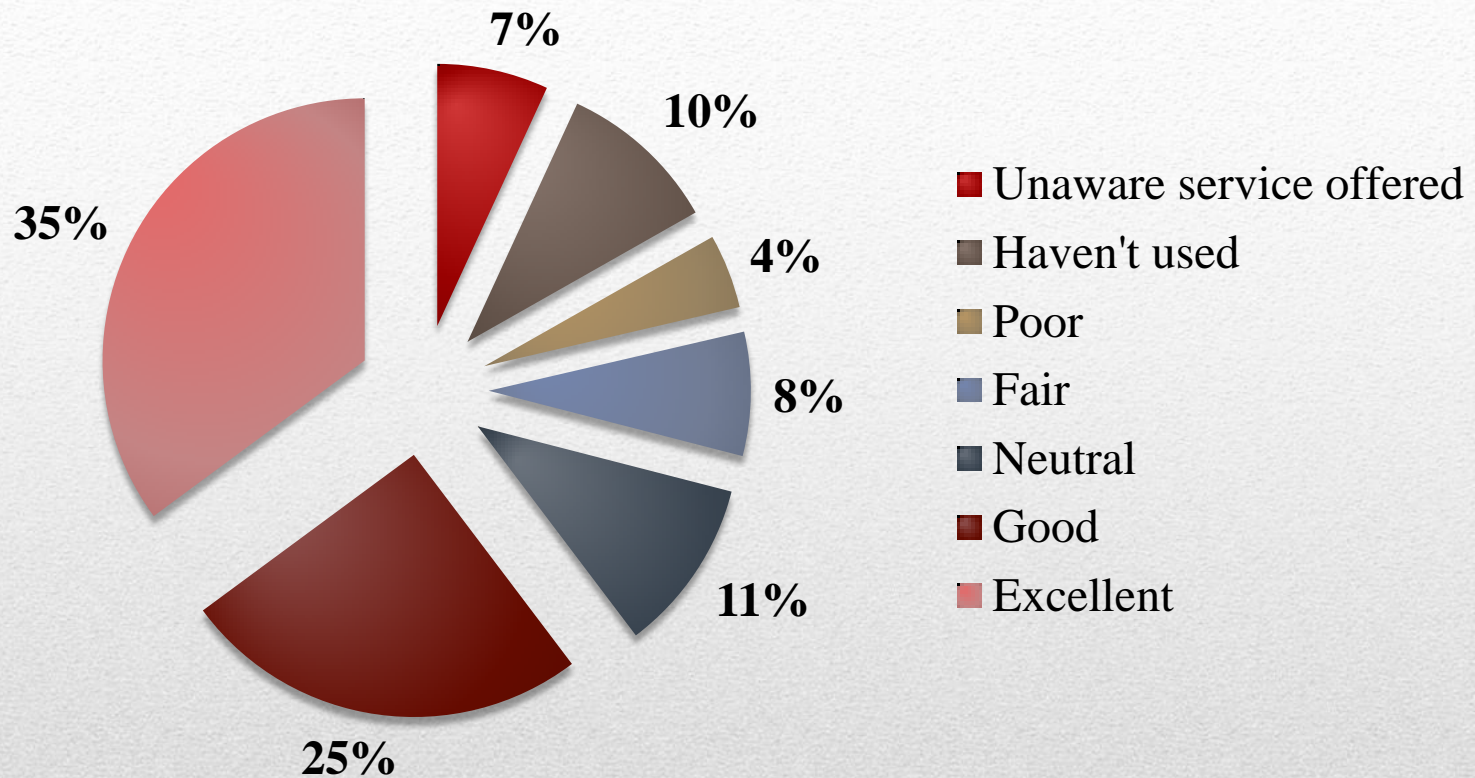- Haven't used
- Poor
- Fair
- Neutral
- Good
- Excellent

Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to checking grades *via a handheld mobile device.*
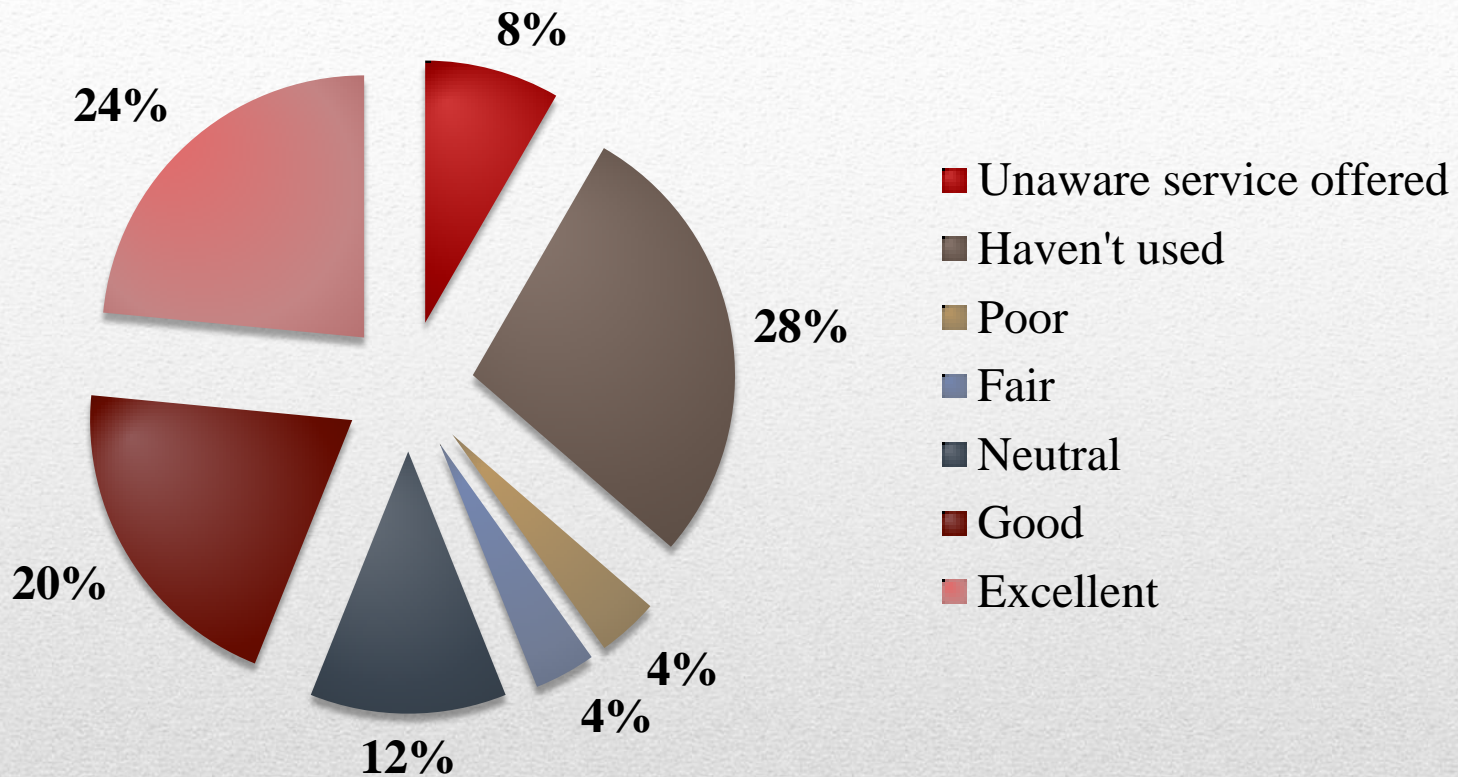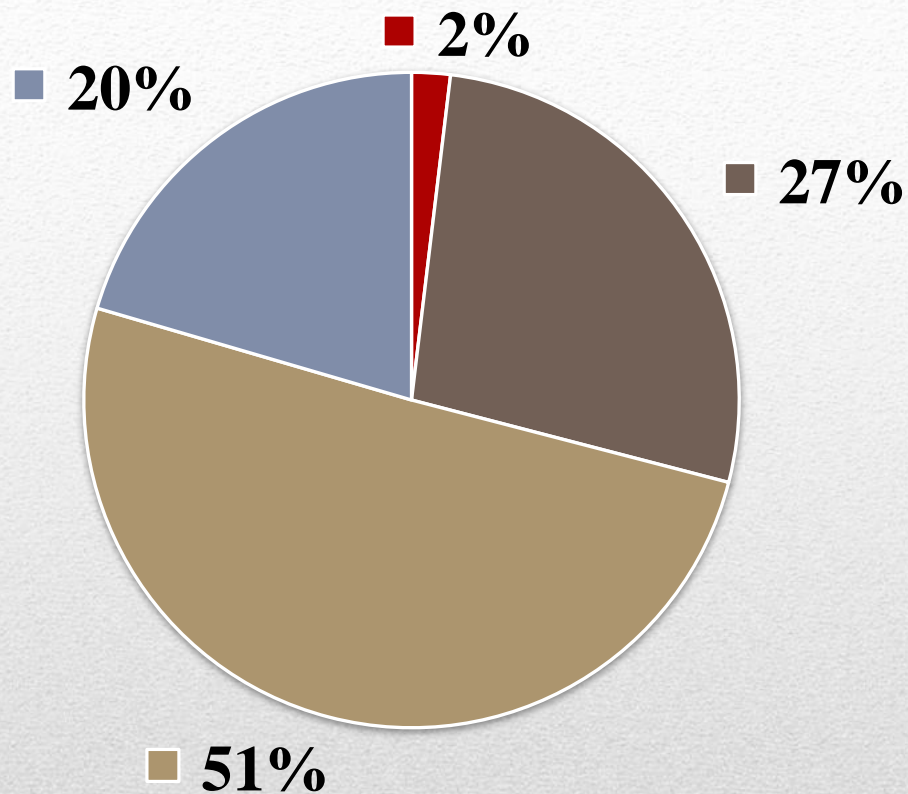
Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to registering for courses _via a handheld mobile device._

Pie chart legend:
- Unaware service offered
- Haven't used
- Poor
- Fair
- Neutral
- Good
- Excellent

Chart values: 8%, 24%, 24%, 4%, 5%, 5%, 30%

Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to accessing financial aid information _via a handheld mobile device._
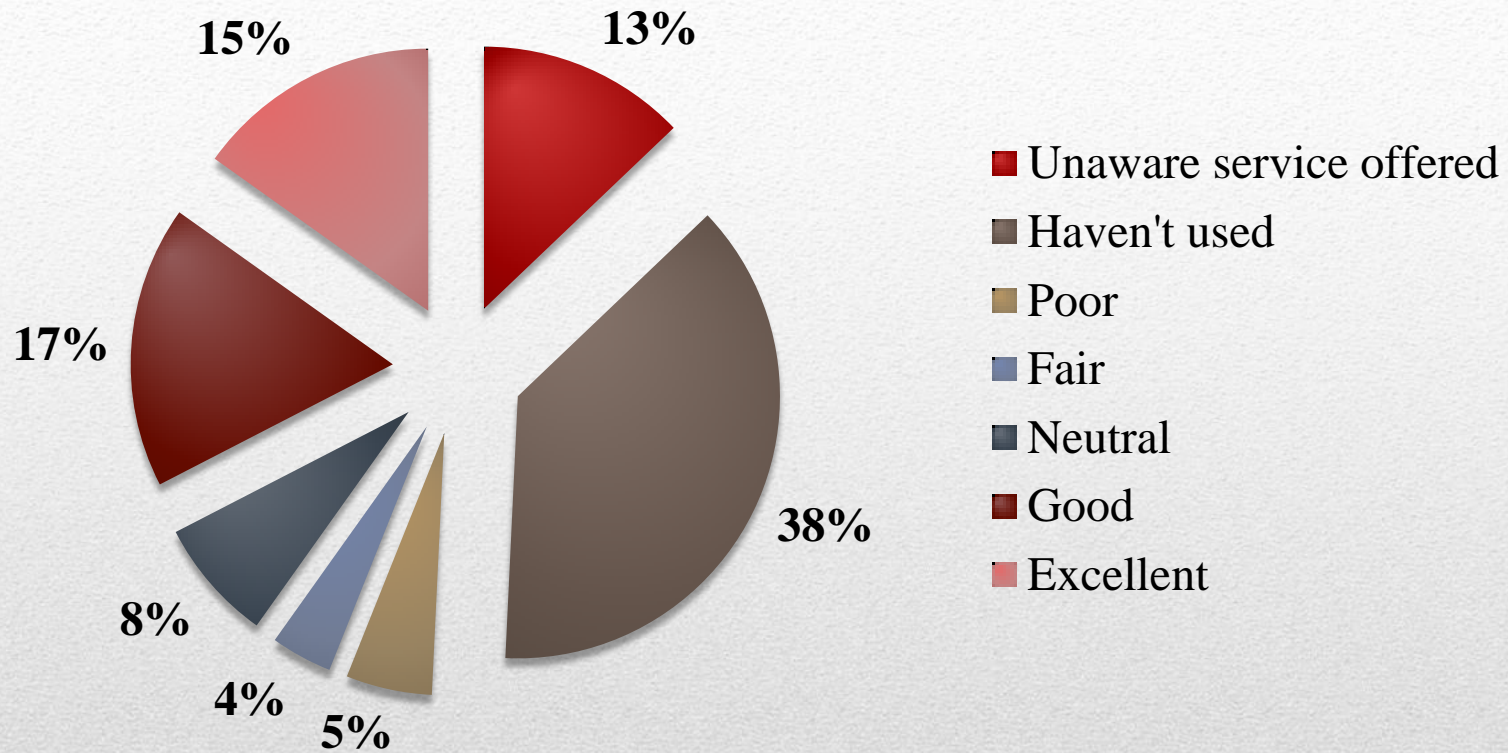
Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to making textbook purchases _via a handheld mobile device._

Pie chart with the following values and legend:

- **Unaware service offered** — 13%
- **Haven't used** — 47%
- **Poor** — 5%
- **Fair** — 3%
- **Neutral** — 6%
- **Good** — 15%
- **Excellent** — 11%

Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to ordering transcripts *via a handheld mobile device.*

Pie chart data:
- 7% — Unaware service offered
- 10% — Haven't used
- 1% — Poor
- 5% — Fair
- 15% — Neutral
- 28% — Good
- 34% — Excellent

Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to accessing course websites or syllabi *via a handheld mobile device.*

Pie chart data:
- 7% — Unaware service offered
- 10% — Haven't used
- 4% — Poor
- 8% — Fair
- 11% — Neutral
- 25% — Good
- 35% — Excellent

Legend:
- Unaware service offered
- Haven't used
- Poor
- Fair
- Neutral
- Good
- Excellent

Thinking about your experience within the past year, rate your institution on how well it is meeting your needs with regard to using Blackboard *via a handheld mobile device.*

Thinking about your college/university experience within the past year, how many of your instructors **effectively use technology to impact your academic success?**
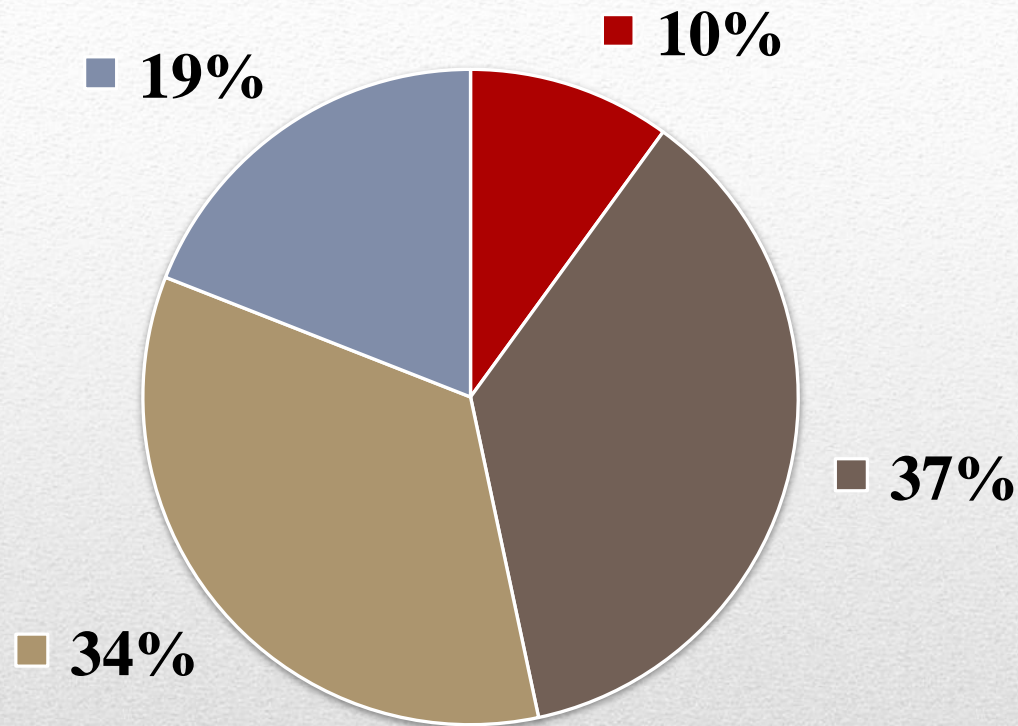
Legend:
- **None** — 10%
- **Some** — 37%
- **Most** — 34%
- **All** — 19%

Thinking about your college/university experience within the past year, how many of your instructors provide you with adequate training for the technology used in courses?
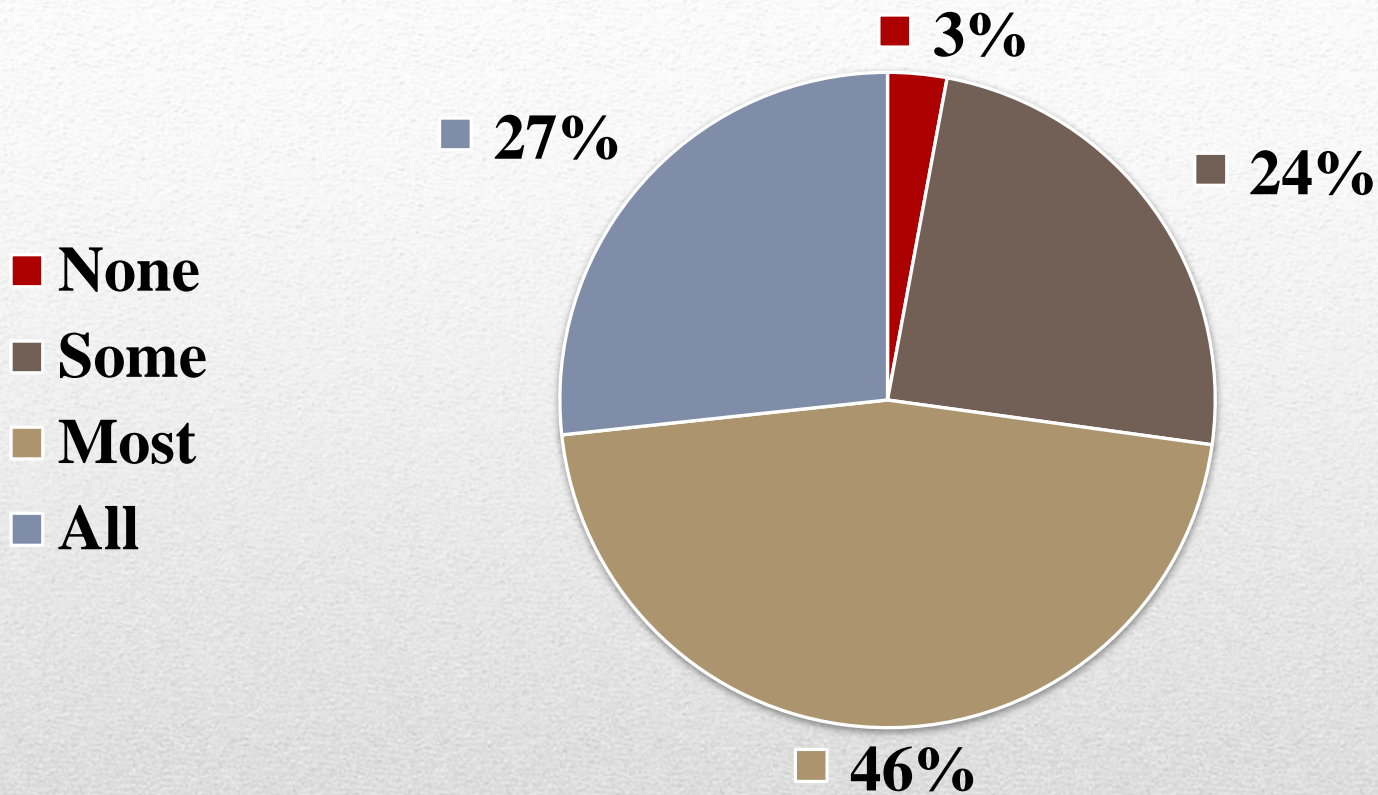
None 3%

Some 24%

Most 46%

All 27%

Thinking about your college/university experience within the past year, how many of your instructors **have adequate technical skills for carrying out course instruction?**

None
Some
Most
All
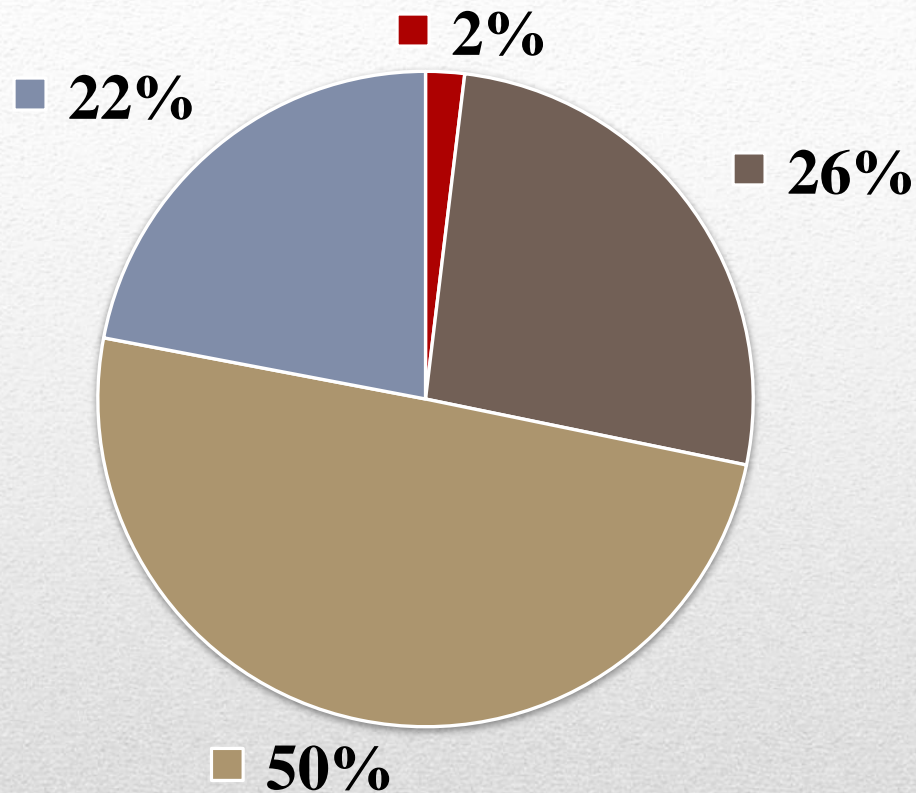
2%
26%
50%
22%

Thinking about your college/university experience within the past year, how many of your instructors use "the right kind(s)" of technology?
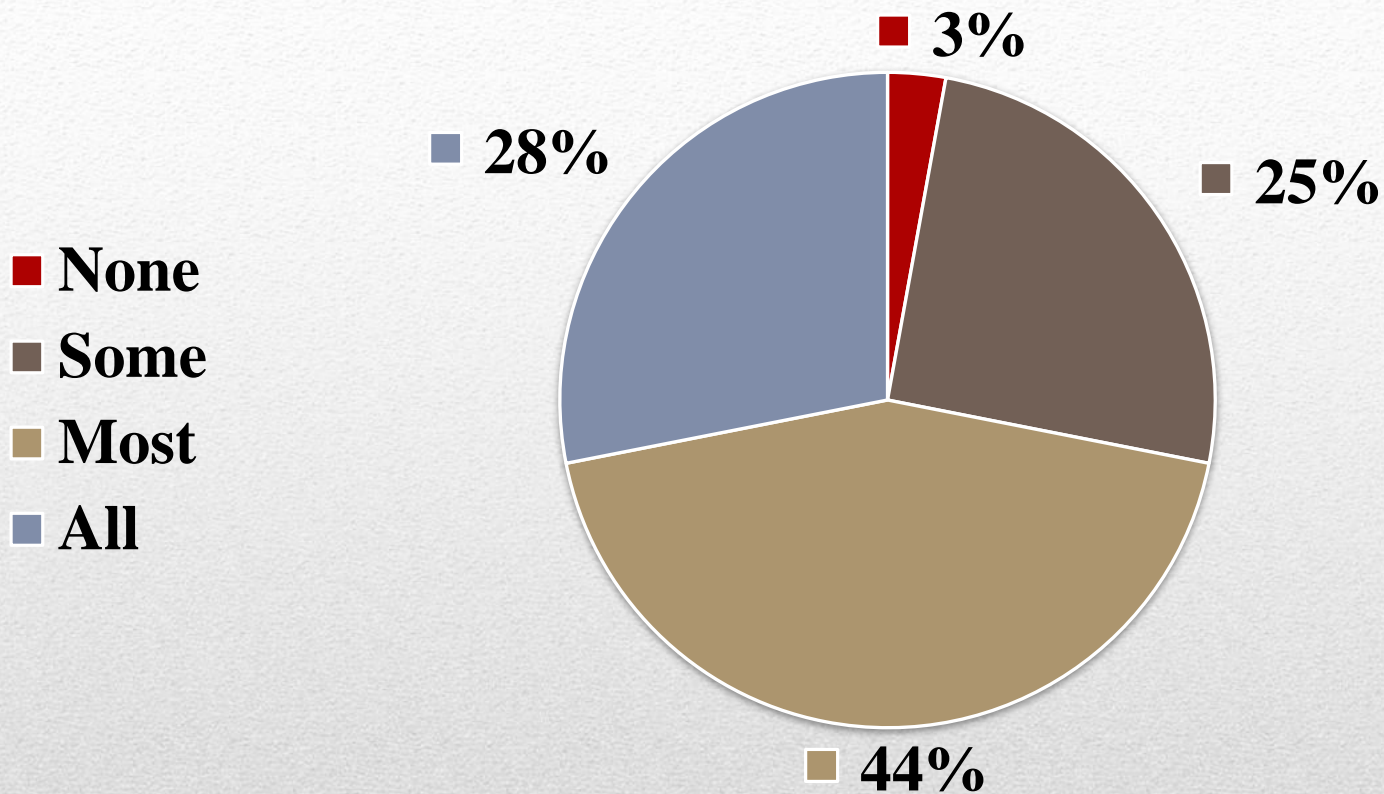
3%

28%

25%

- **None**
- **Some**
- **Most**
- **All**

44%

Thinking about your college/university experience within the past year, how many of your instructors have used technology to aid your understanding of course materials and ideas?

Legend:
- Not at all
- Not very
- Moderately
- Very
- Extremely

9% 5% 15% 25% 46%
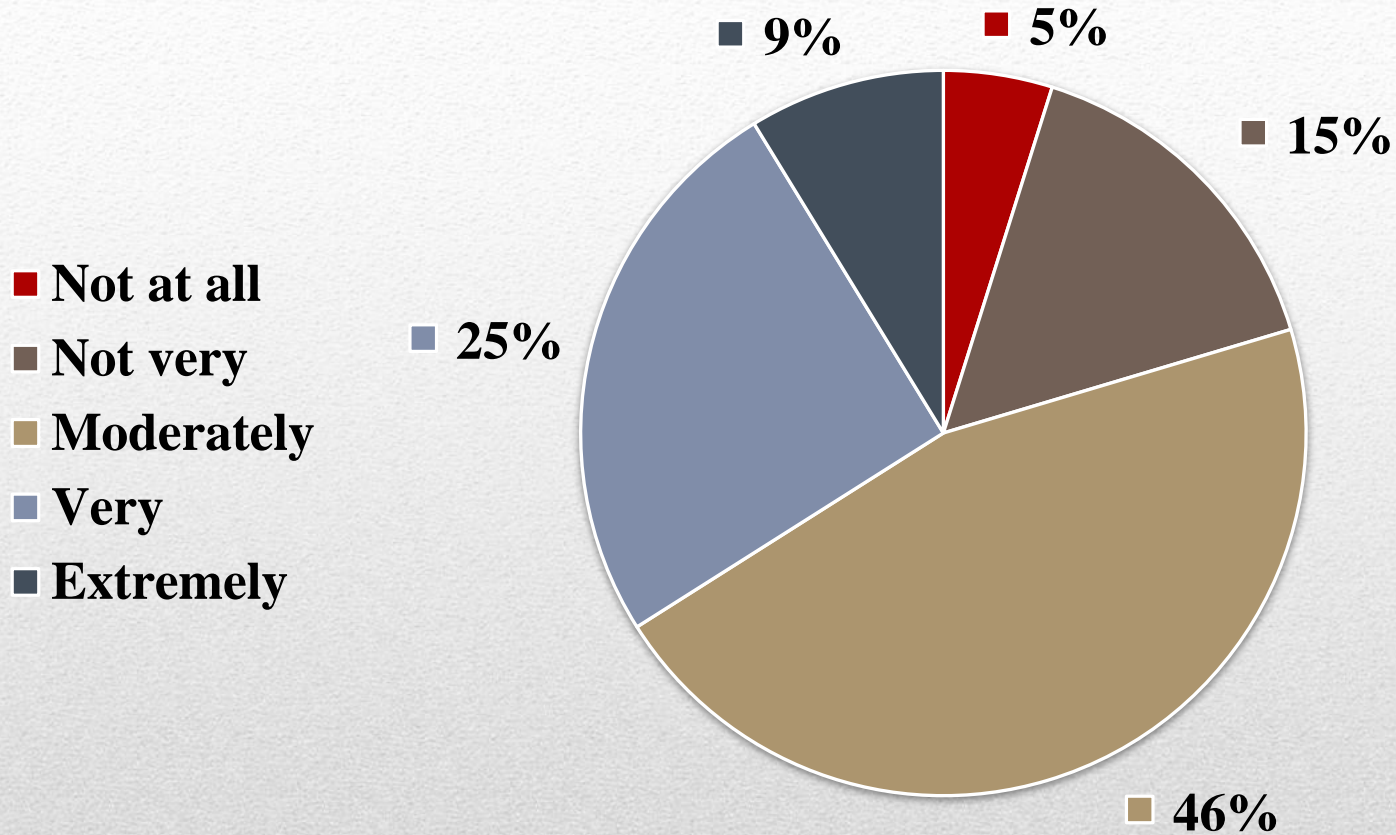
How important is it to you that your instructors use new, cutting-edge technologies?

Legend:
- Not at all
- Not very
- Moderately
- Very
- Extremely

2% 7% 16% 34% 41%
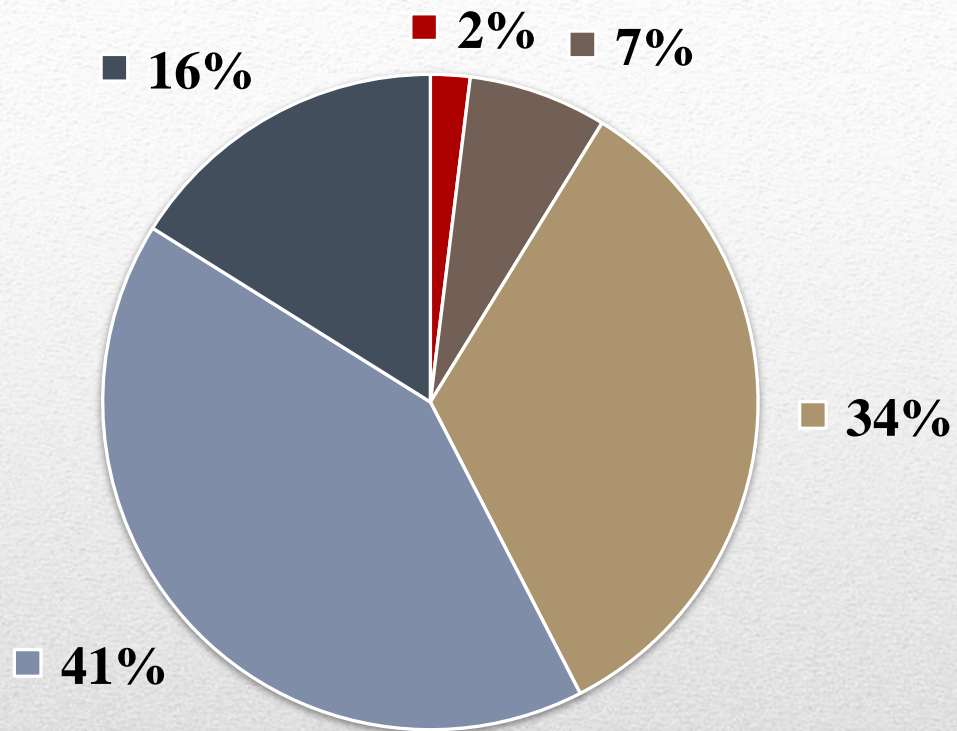
How important is it to you that more or better technology is available to learn, study, or complete coursework?

Not at all
Not very
Moderately
Very
Extremely

1% 3%

26% 22%

48%
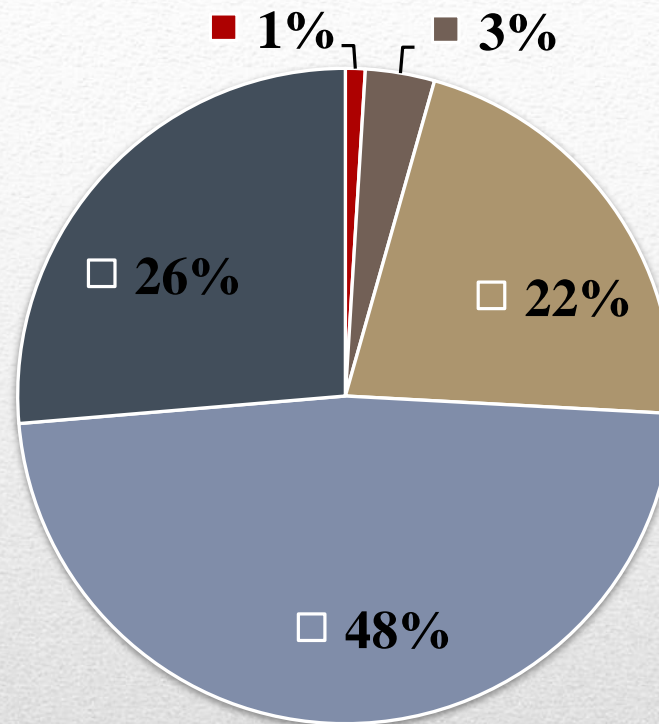
How important is it to you that you are better trained or skilled at using available technologies to learn, study, or complete coursework?
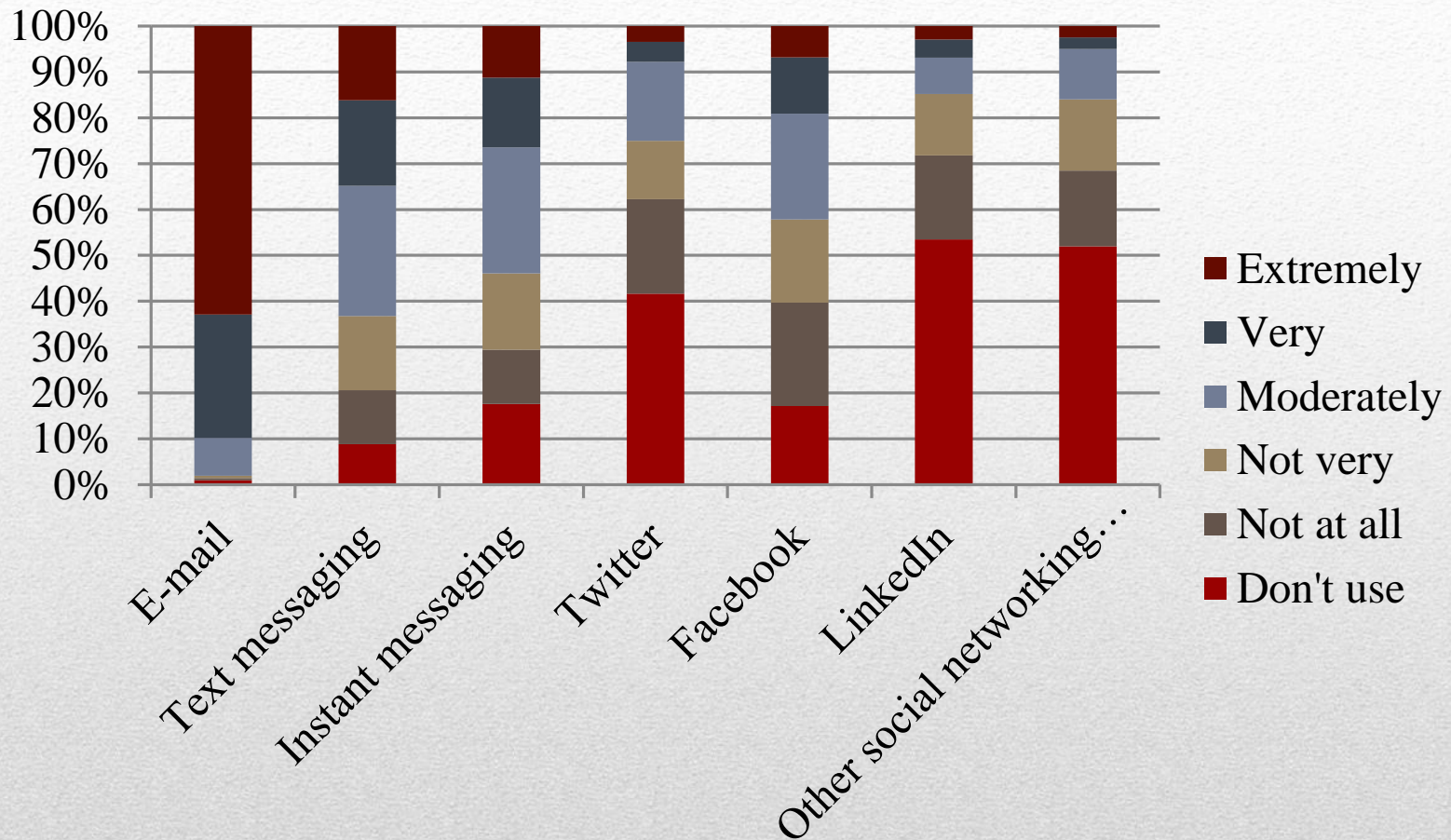
How important are these _forms of communication_ to achieving your academic success?
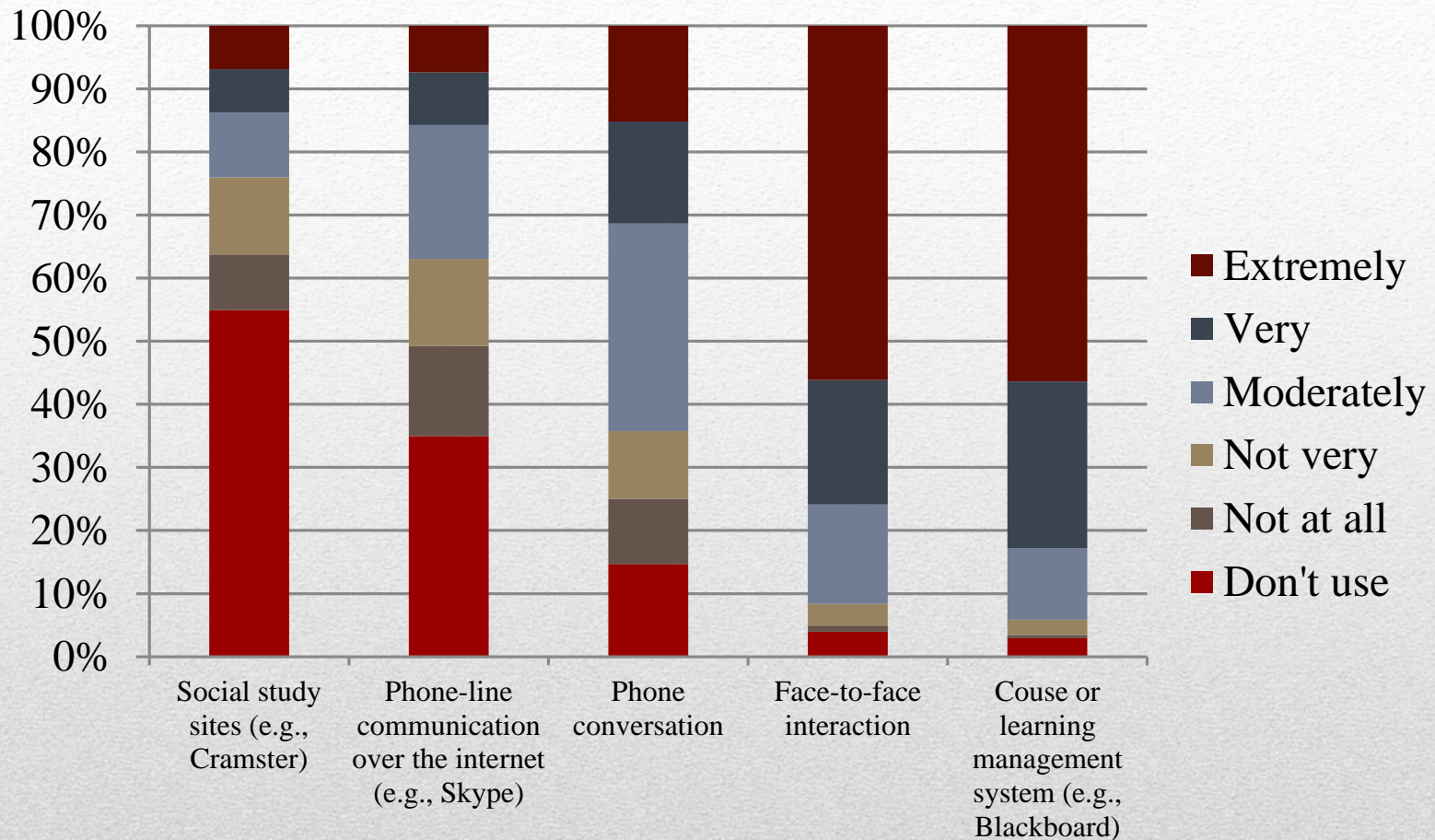
How important are these *forms of communication* to achieving your academic success?

E-mail
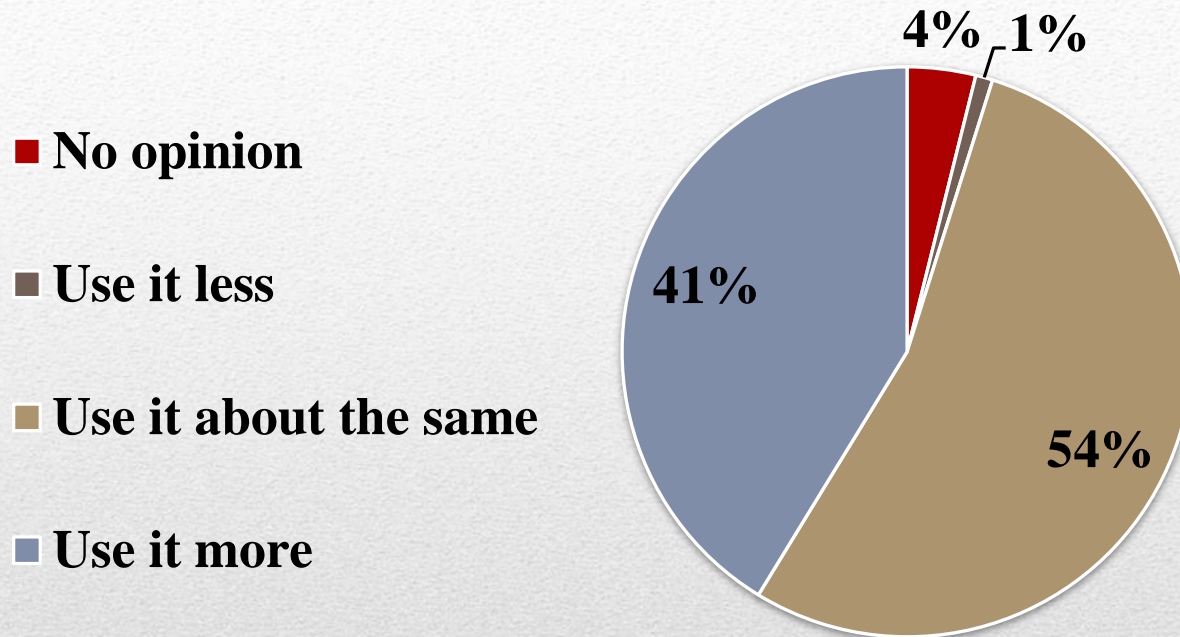
4% **1%**

- No opinion

- Use it less

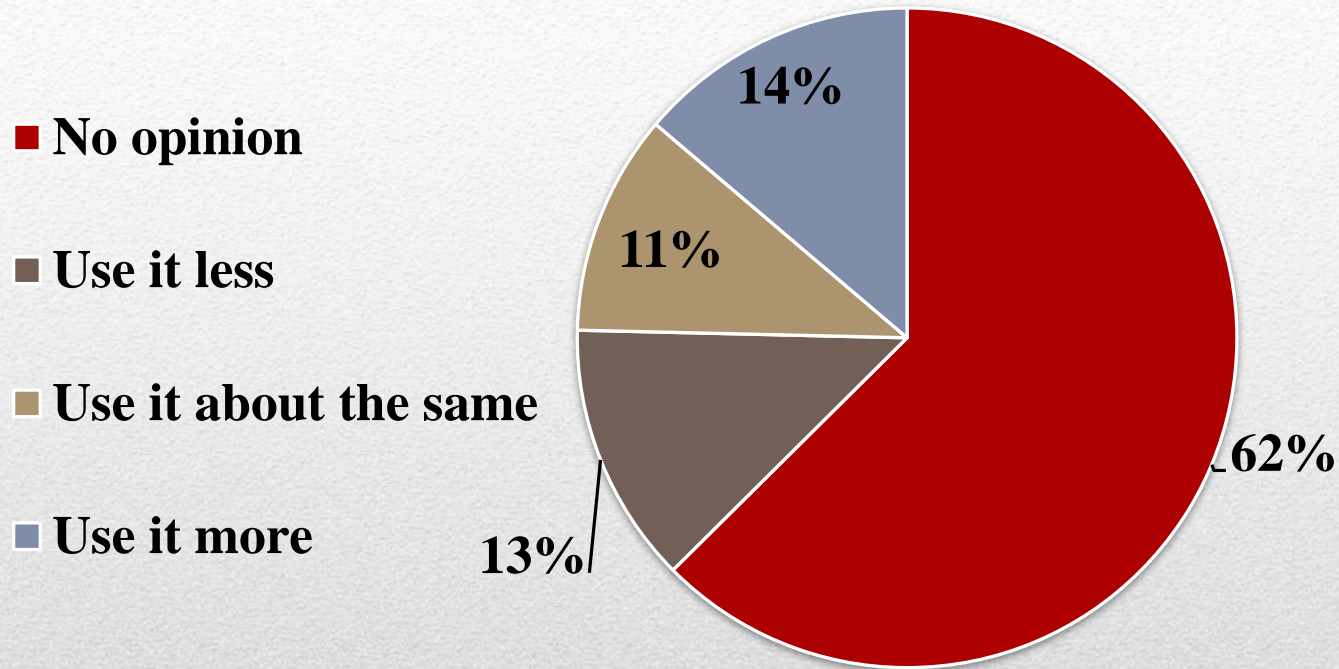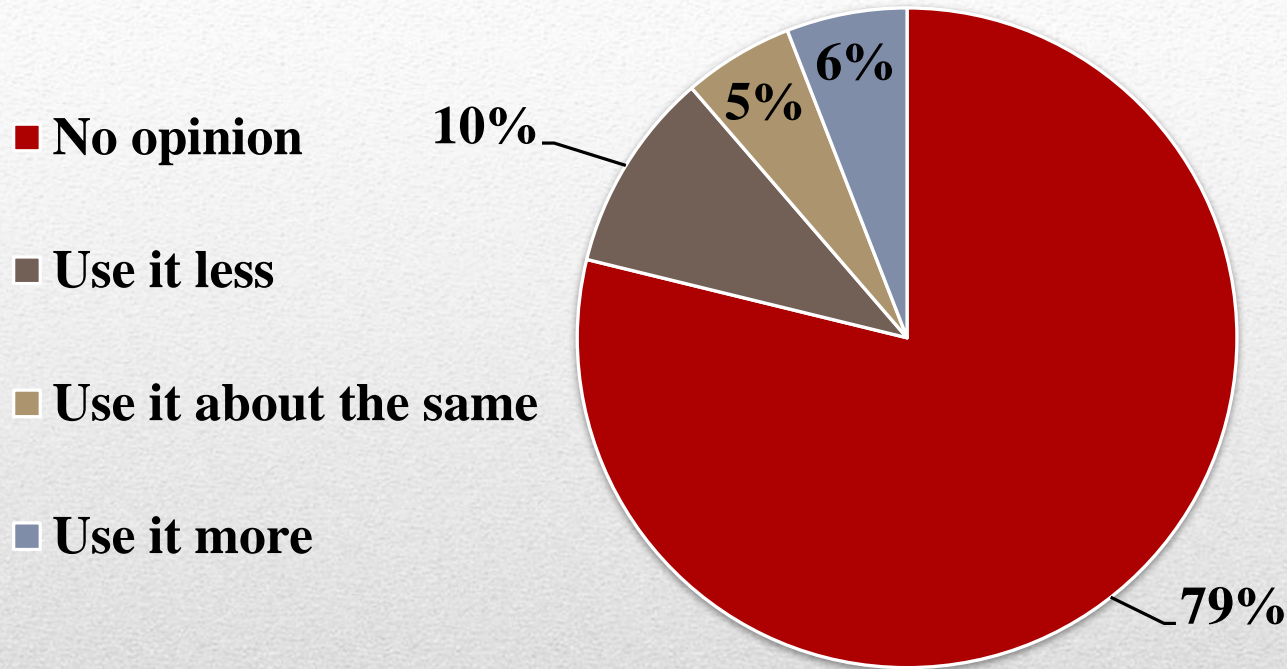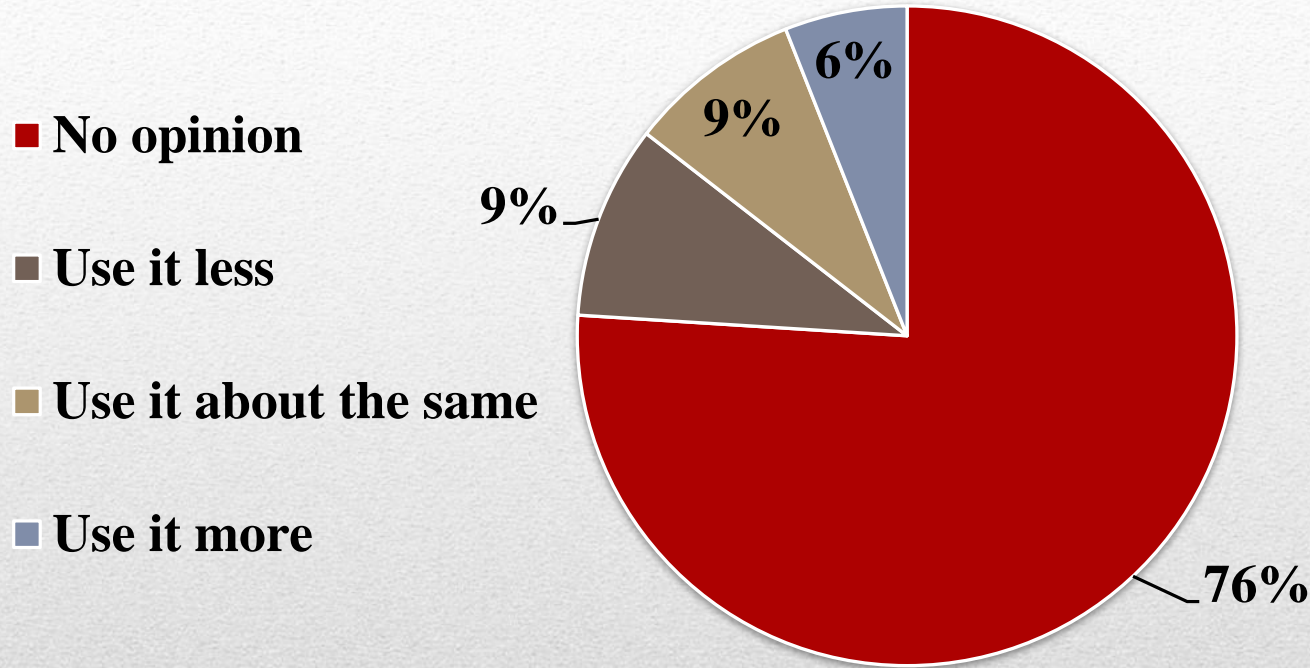- Use it about the same

- Use it more

41%

54%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less...or more?

Text Messaging
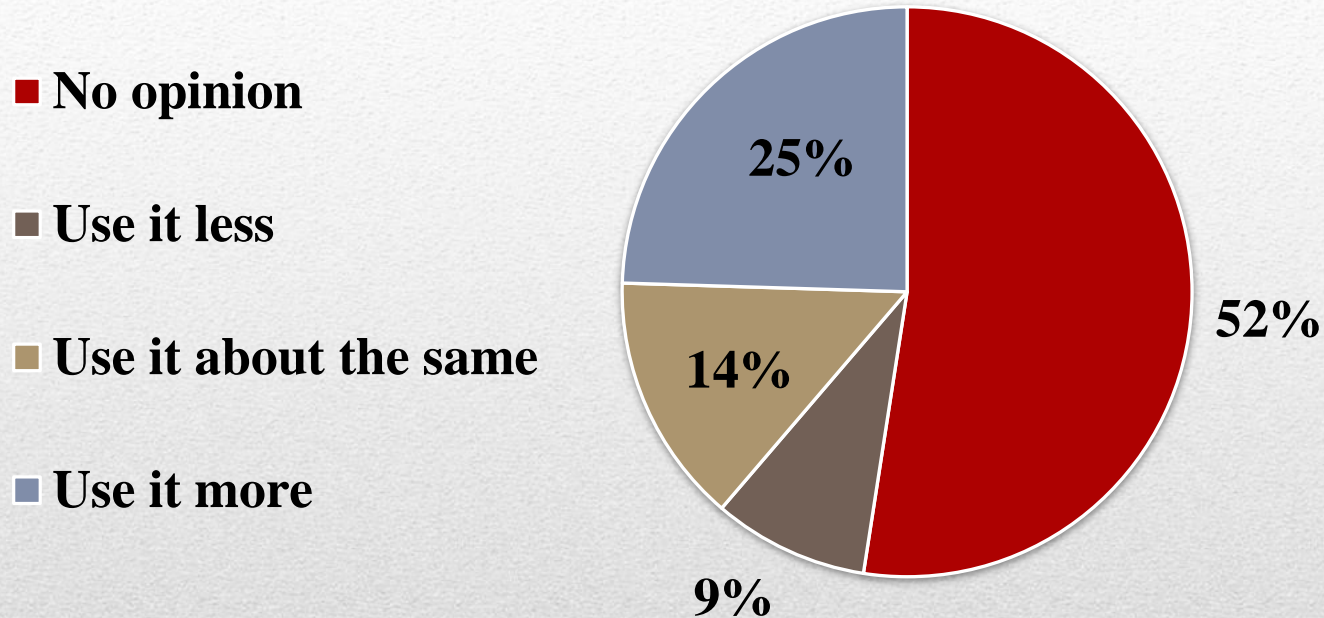
- ■ **No opinion**
- ■ **Use it less**
- ■ **Use it about the same**
- ■ **Use it more**

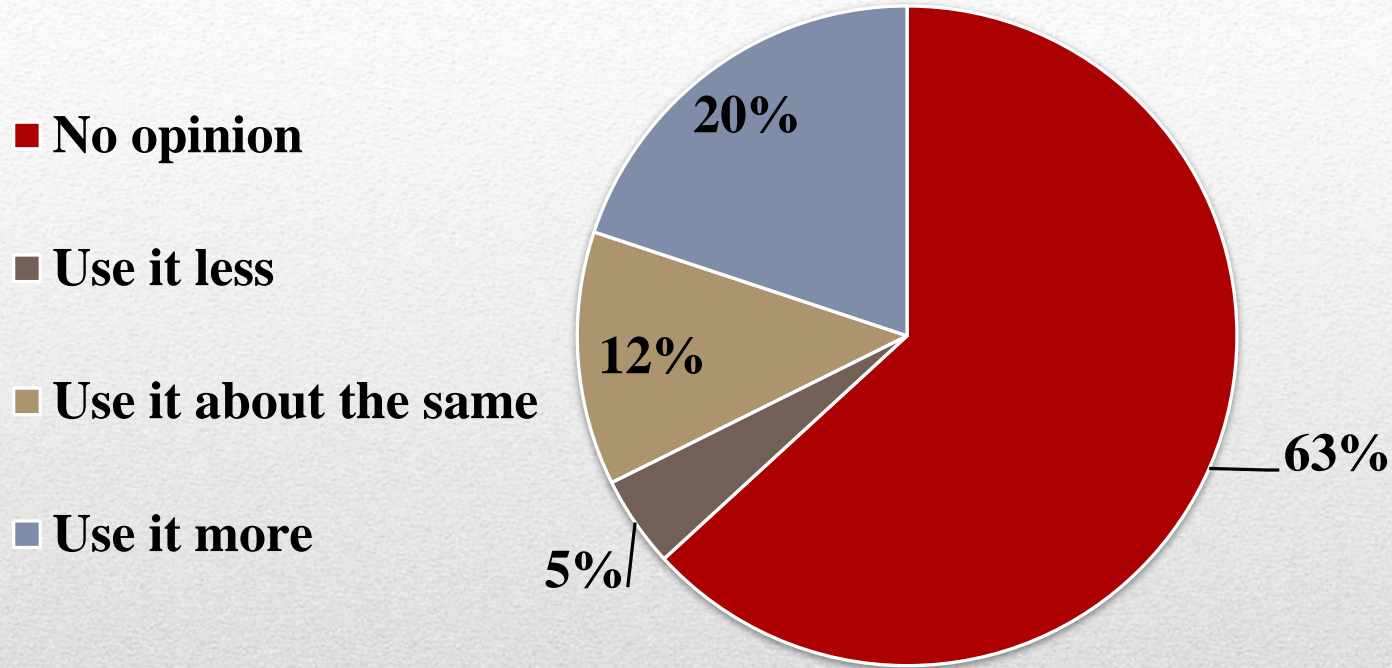**52%**

25%

14%

9%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less…or more?

Instant Messaging/Online Chatting
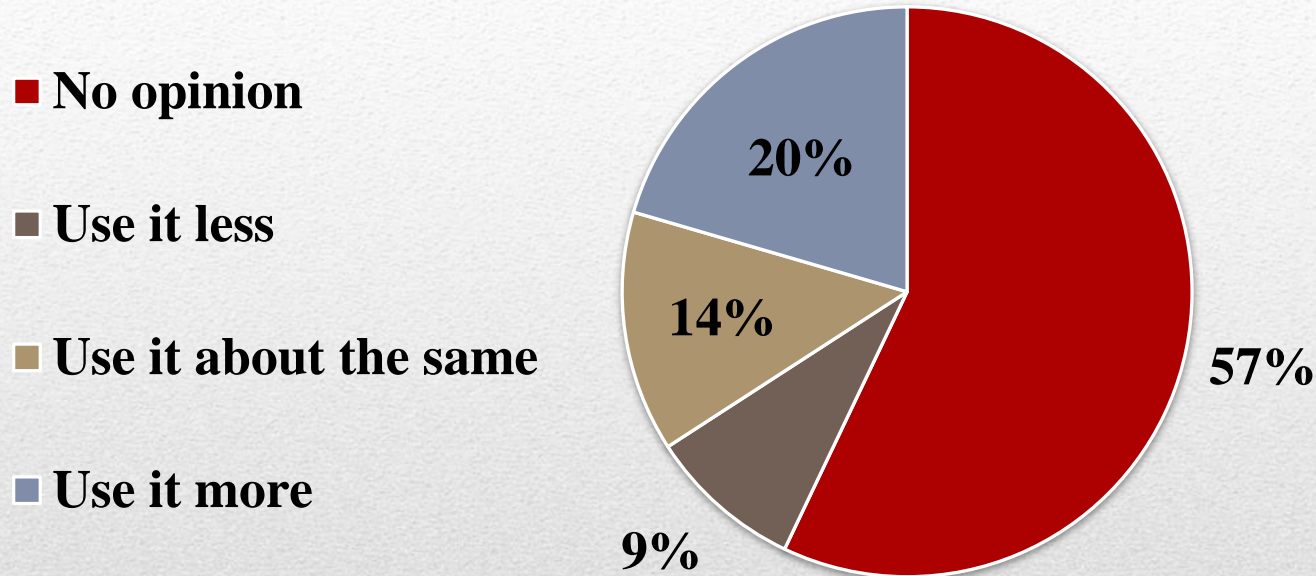
- No opinion
- Use it less
- Use it about the same
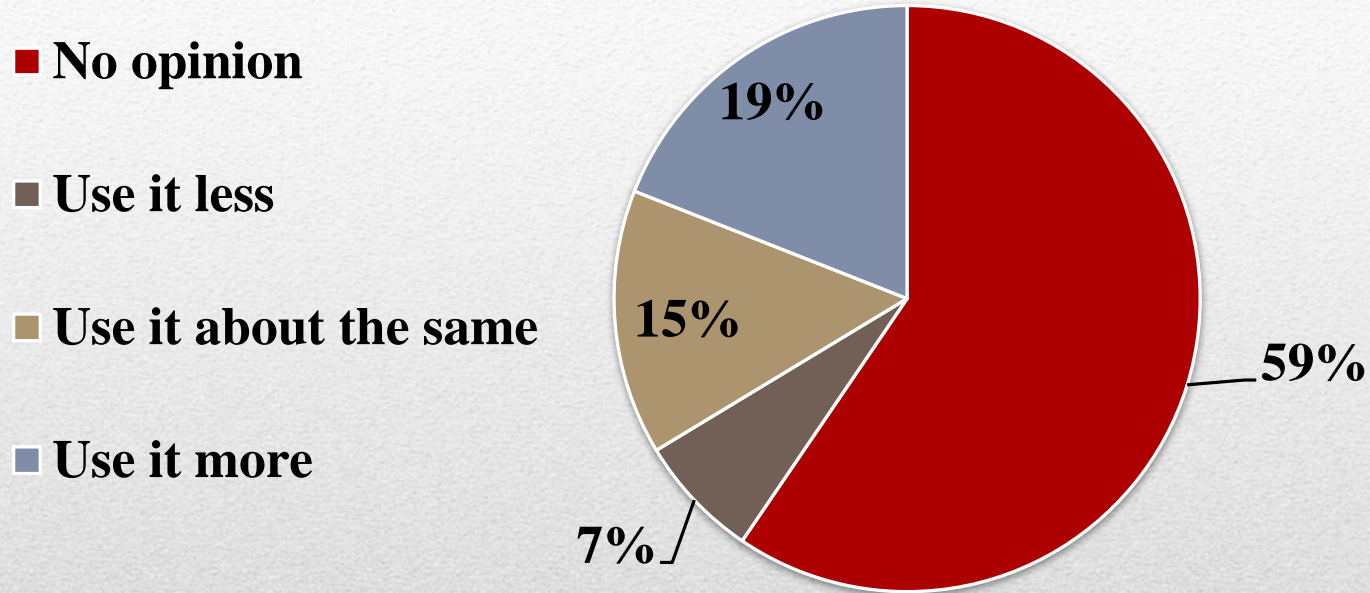- Use it more

20%

14%

57%

9%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less…or more?

Twitter
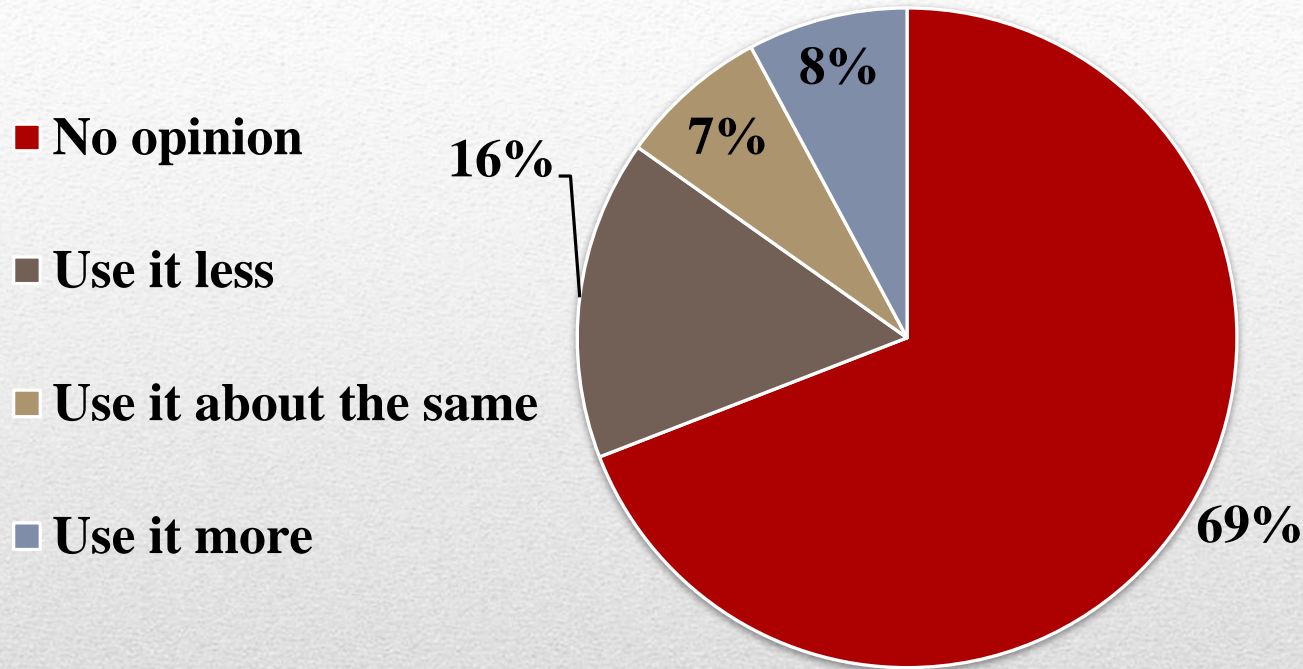
- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**

16%

8%

7%

69%

Different instructors use different technologies. Generally speaking, which _forms of communication_ do you wish your instructors used less...or more?

Facebook

- No opinion
- Use it less
- Use it about the same
- Use it more

14%

11%

13%

62%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less...or more?
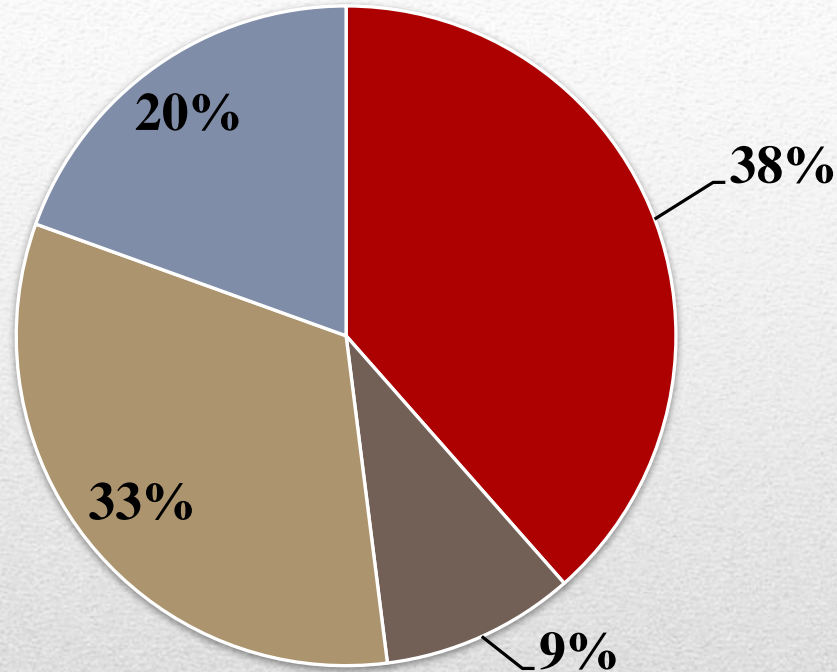
LinkedIn

- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**

10%

5%

6%

79%

Different instructors use different technologies. Generally speaking, which _forms of communication_ do you wish your instructors used less...or more?
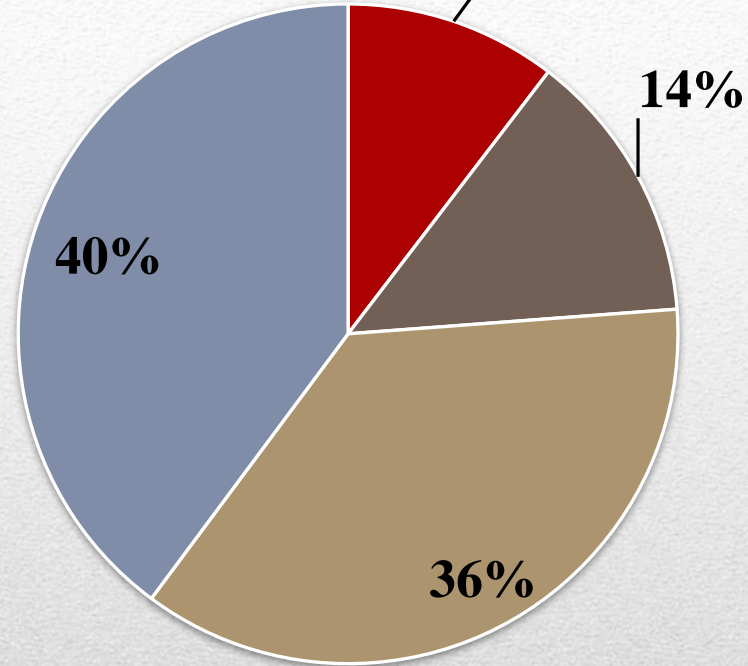
Other Social Networking Sites

- **No opinion**

- **Use it less**
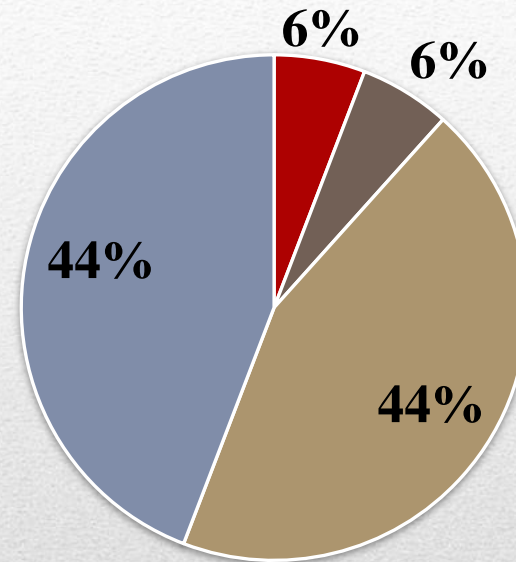
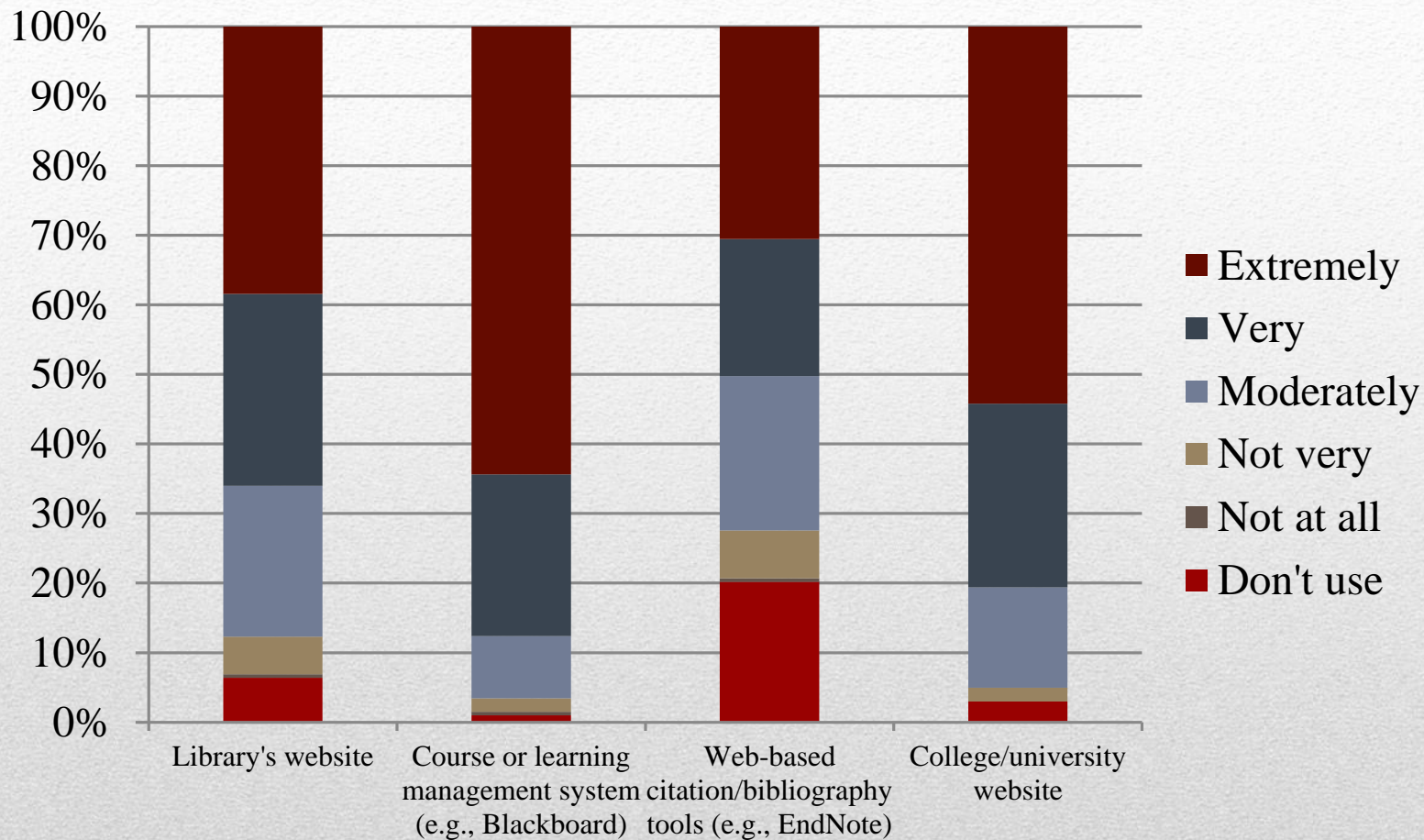- **Use it about the same**

- **Use it more**

6%

9%

9%

76%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less…or more?

Social Studying Sites (e.g., Cramster)

- ■ **No opinion**

- ■ **Use it less**

- ■ **Use it about the same**

- ■ **Use it more**

20%

12%

5%

63%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less...or more?

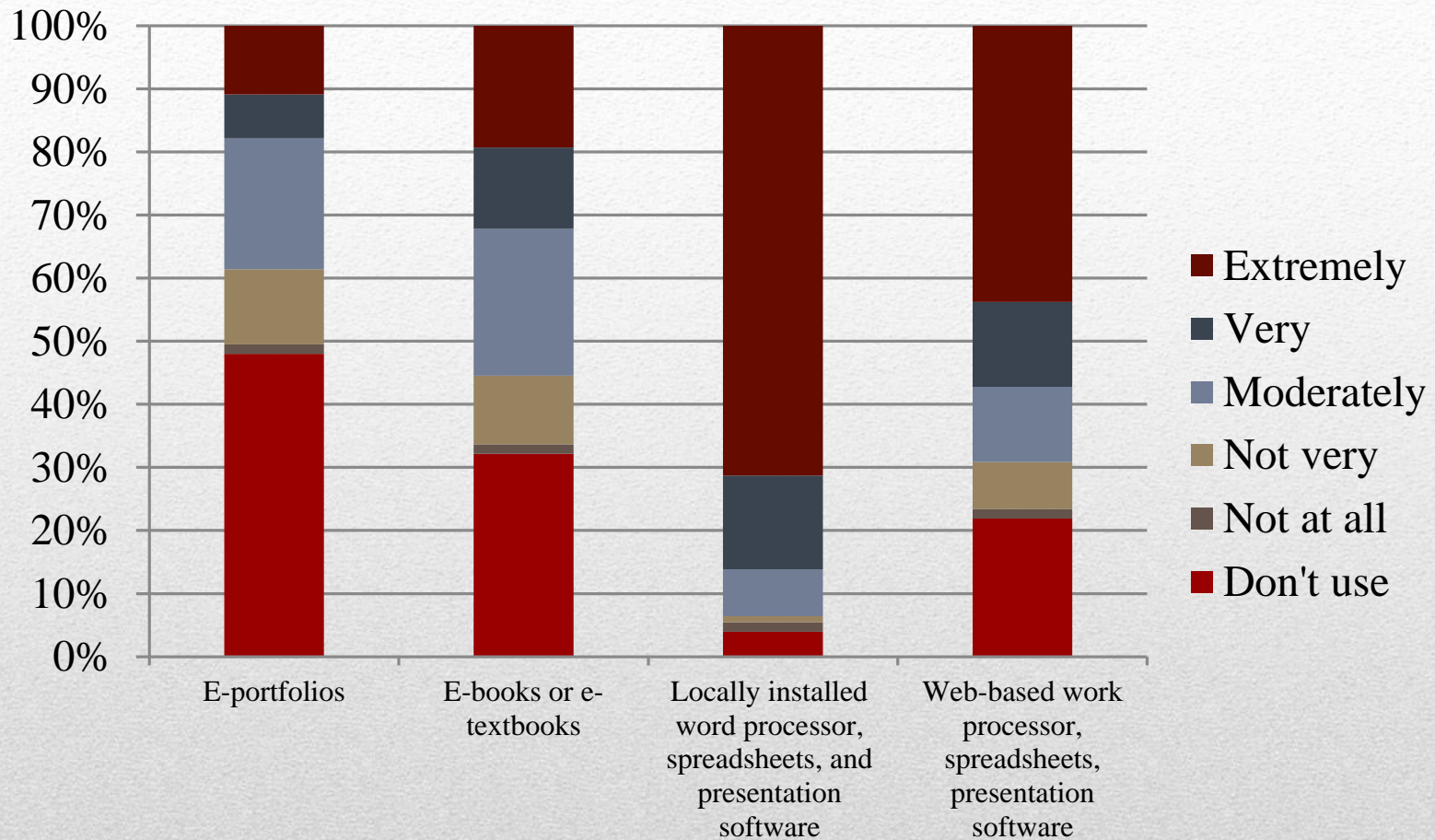# Phone-like Conversation over the Internet (e.g., Skype)

- No opinion
- Use it less
- Use it about the same
- Use it more

19%

15%

7%

59%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less...or more?
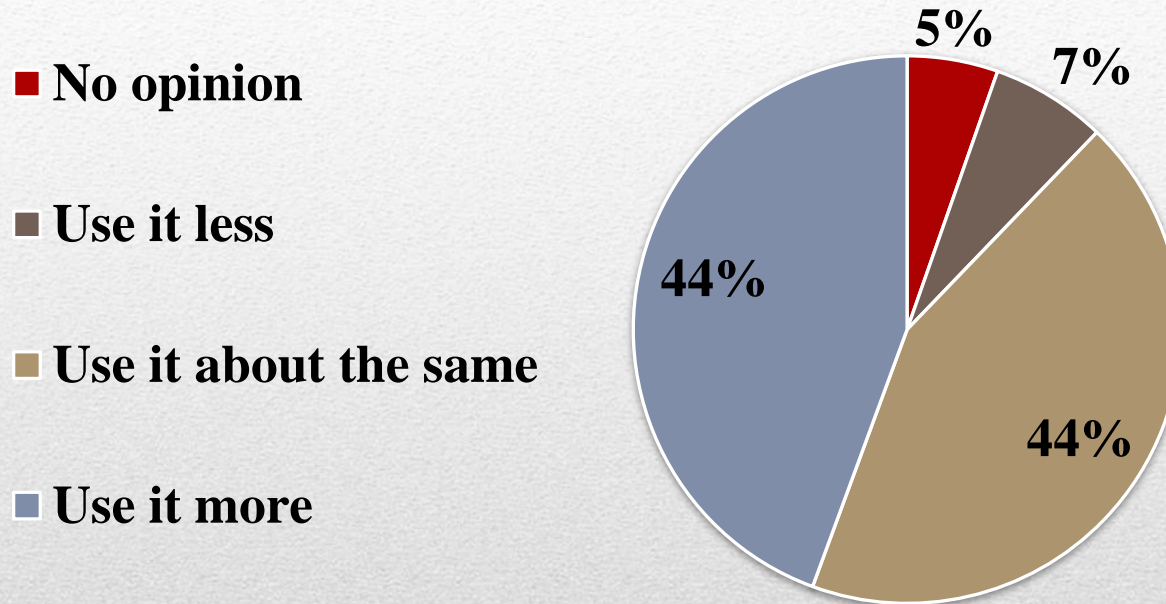
Phone Conversation

- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**

20%

38%

33%

9%

Different instructors use different technologies. Generally speaking, which _forms of communication_ do you wish your instructors used less...or more?

Face-to-face Interaction

- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**

10%

14%

40%

36%

Different instructors use different technologies. Generally speaking, which *forms of communication* do you wish your instructors used less...or more?
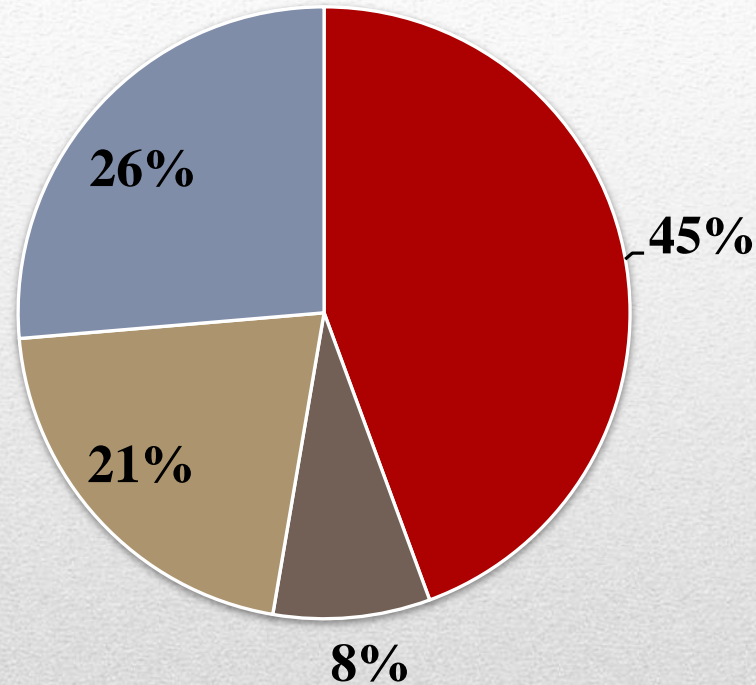
Course or Learning Management System (e.g., Blackboard)

- ■ **No opinion**

- ■ **Use it less**

- ■ **Use it about the same**

- ■ **Use it more**

6%
6%
44%
44%

Different instructors use different technologies. Generally speaking, which _forms of communication_ do you wish your instructors used less…or more?

How important are these *resources/tools* to achieving your academic success?

How important are these *resources/tools* to achieving your academic success?

Course or Learning Management System (e.g., Blackboard)

- ■ **No opinion**

- ■ **Use it less**

- ■ **Use it about the same**

- ■ **Use it more**

5%

7%

44%

44%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less...or more?
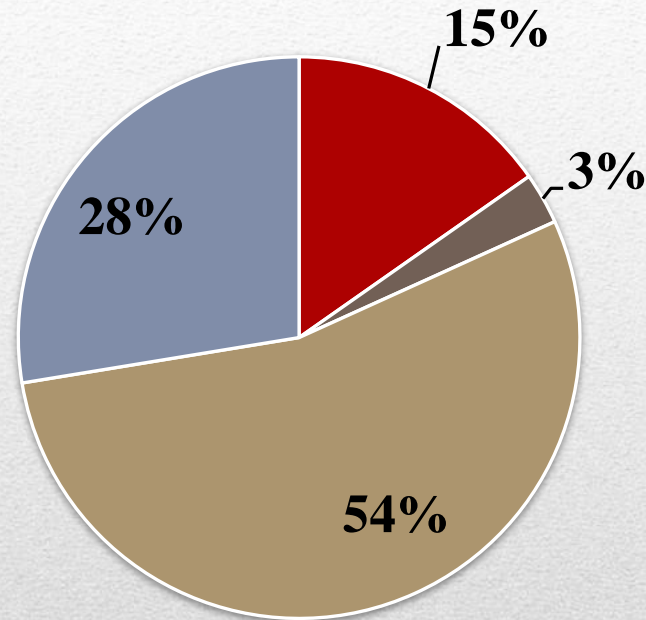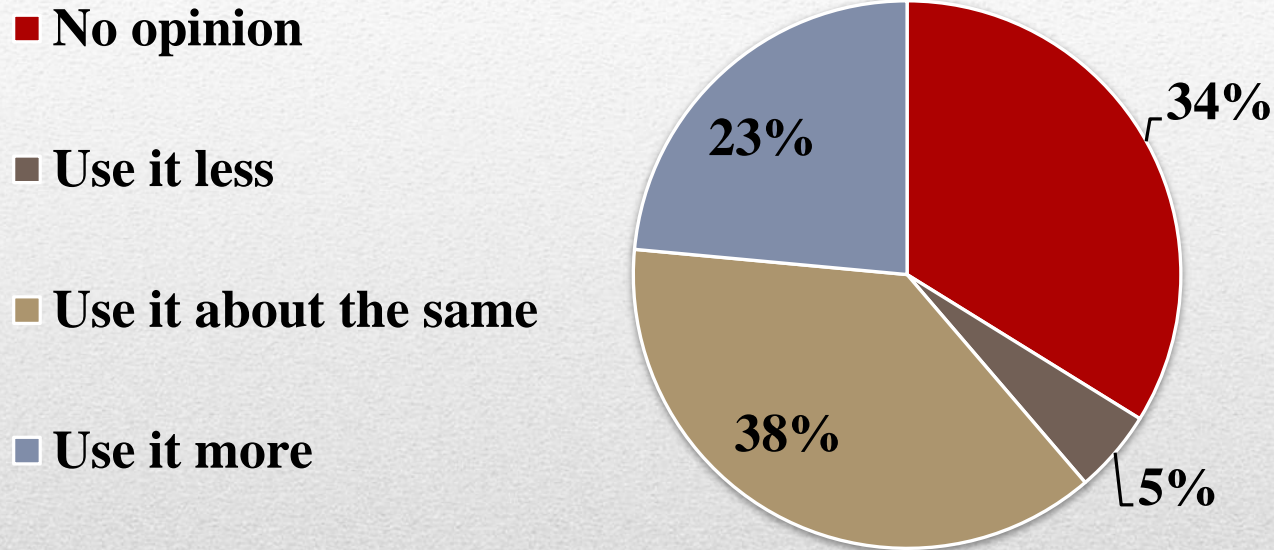
E-portfolios
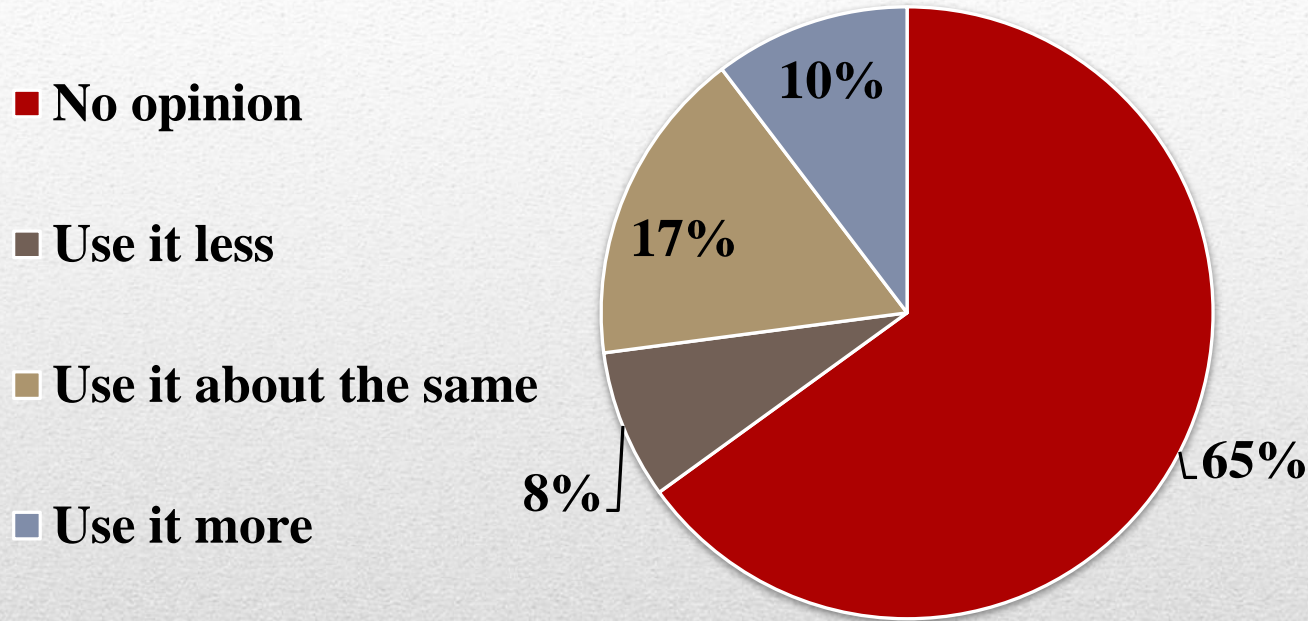
- **No opinion**

- **Use it less**

- **Use it about the same**

- **Use it more**

10%

17%

8%

65%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less...or more?

E-books or E-textbooks

■ **No opinion**

■ **Use it less**

■ **Use it about the same**

■ **Use it more**

26%

45%

21%

8%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less…or more?

Freely Available Course Content Beyond Your Campus (e.g., OpenCourseWare)

- No opinion

- Use it less
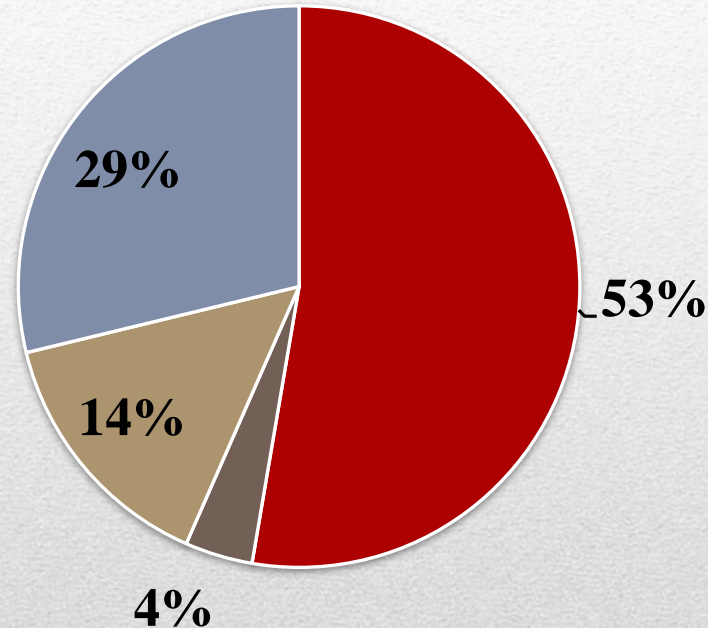
- Use it about the same

- Use it more

29%

53%

14%

4%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less…or more?

# Locally Installed Word Processor, Spreadsheets, and Presentation Software

- ■ No opinion
- ■ Use it less
- ■ Use it about the same
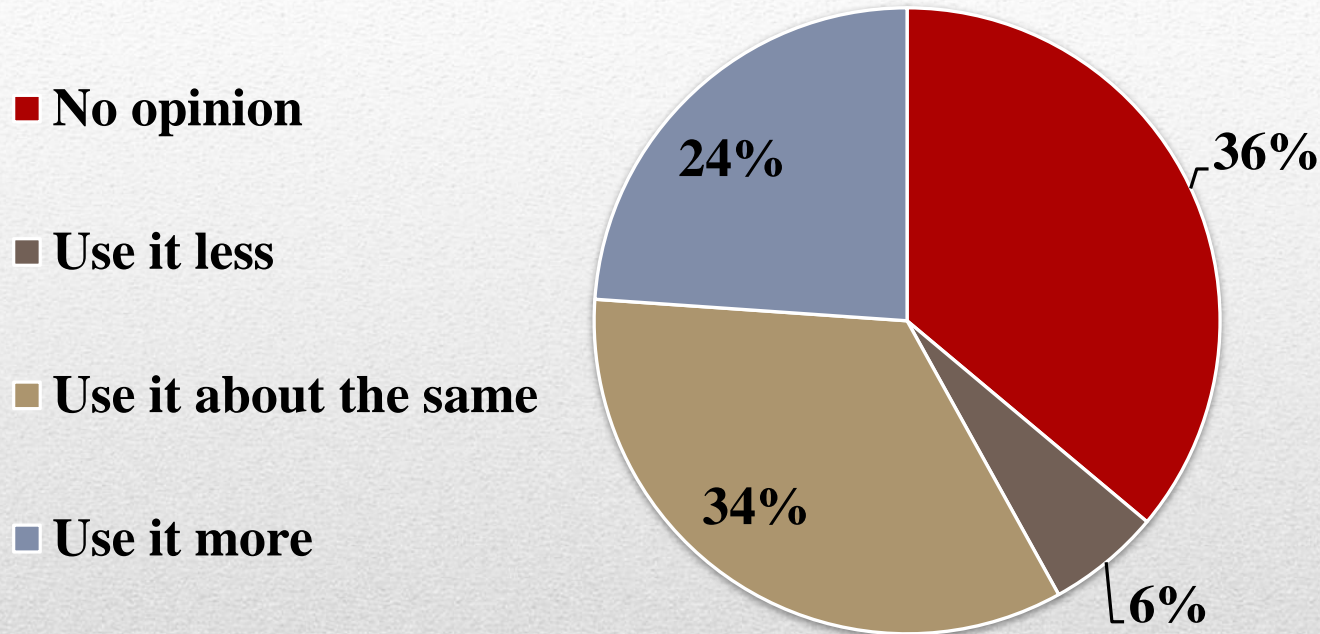- ■ Use it more

15%

3%

28%

54%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less...or more?

Web-based Word Processor, Spreadsheets, Presentation Software

- No opinion
- Use it less
- Use it about the same
- Use it more

34%

23%

38%

5%

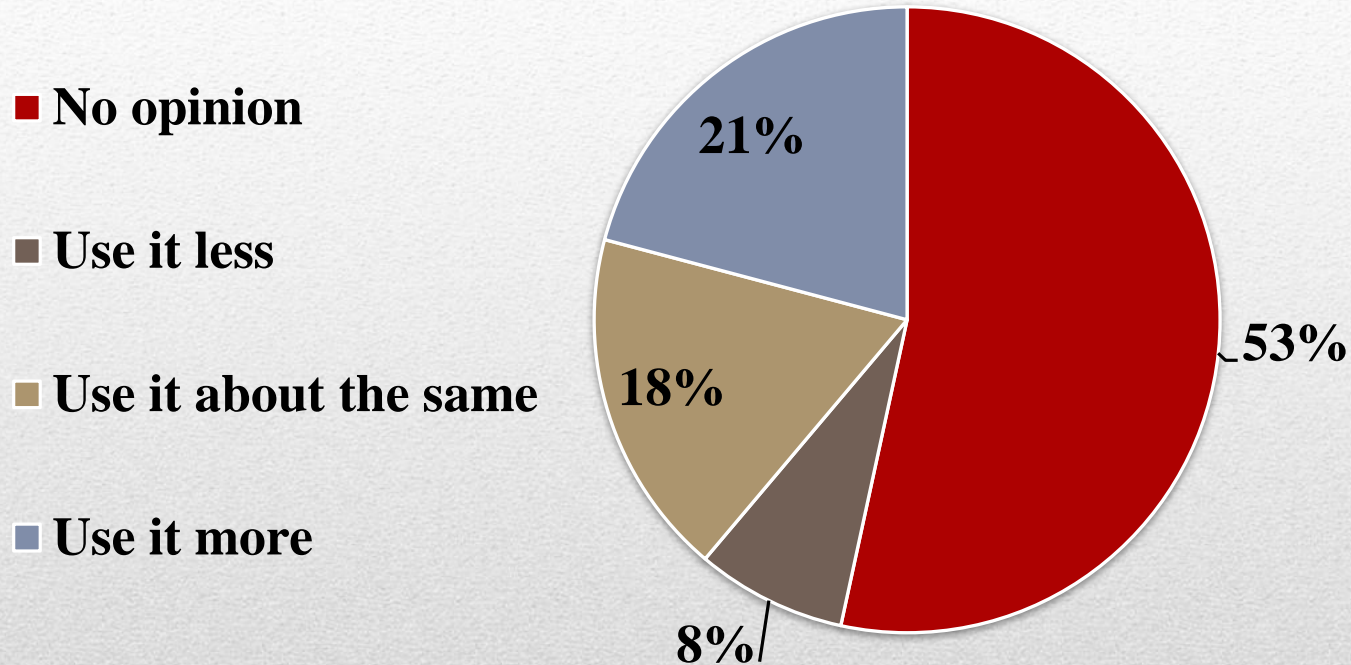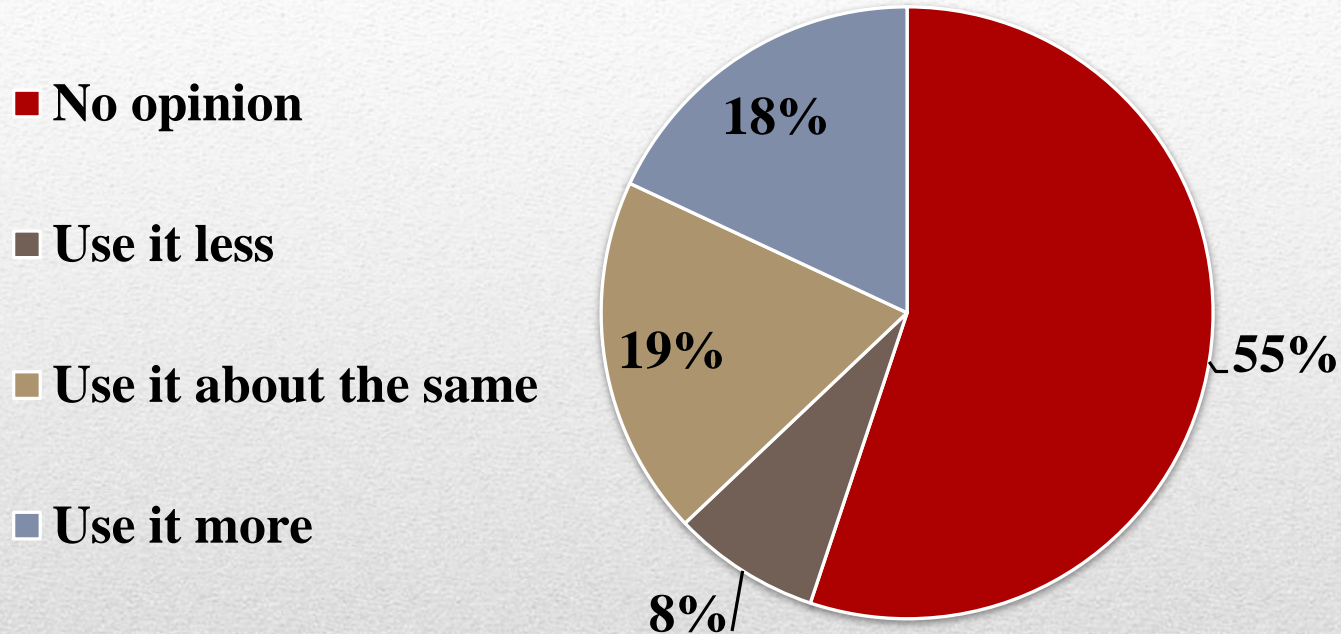**Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less…or more?**

Wikis

- No opinion
- Use it less
- Use it about the same
- Use it more
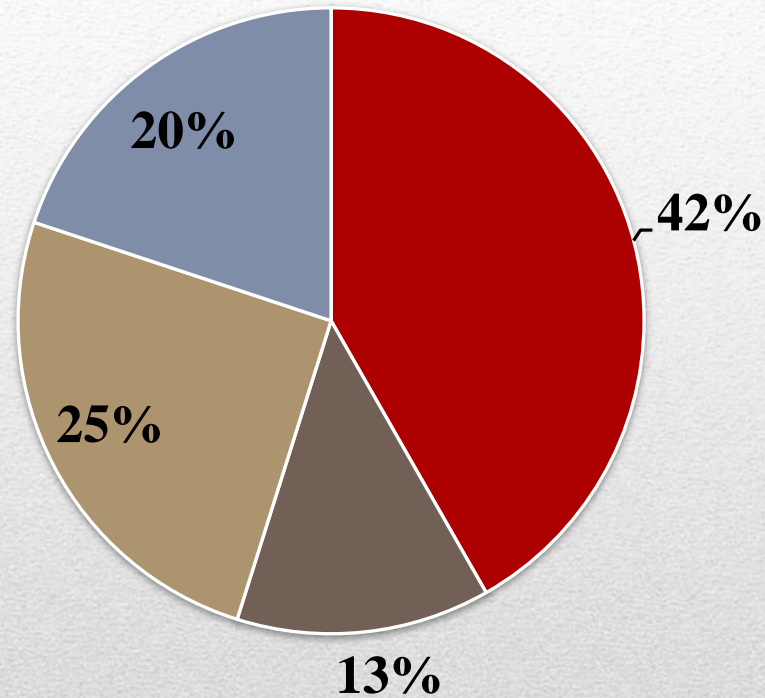
42%

13%

25%

20%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less...or more?

Blogs

- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**
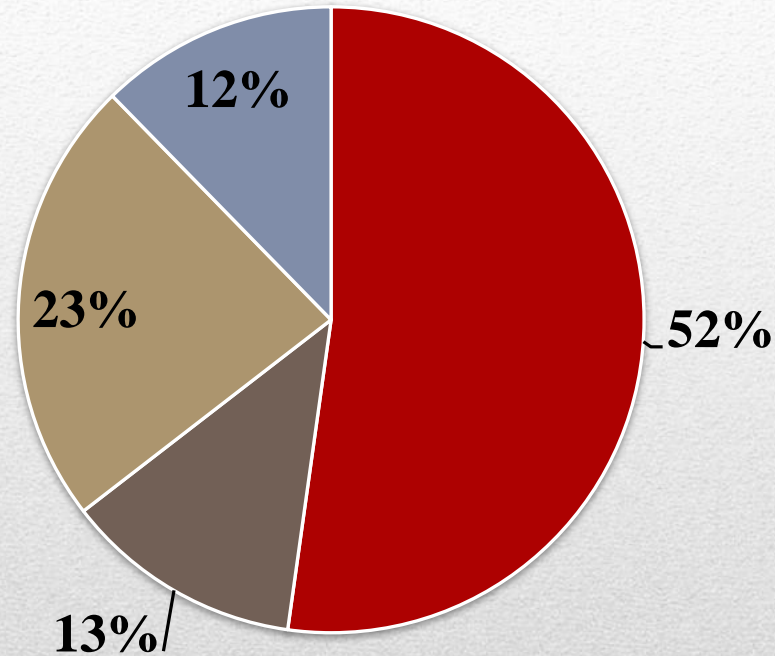
12%

52%

23%

13%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less…or more?

Recommend an Article or Information Online by Tagging/Bookmarking/"Liking"

- ■ **No opinion**

- ■ **Use it less**
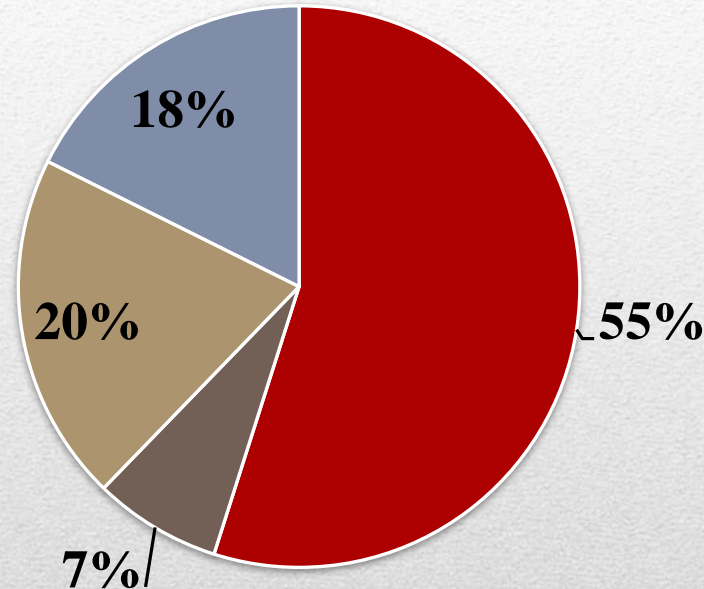
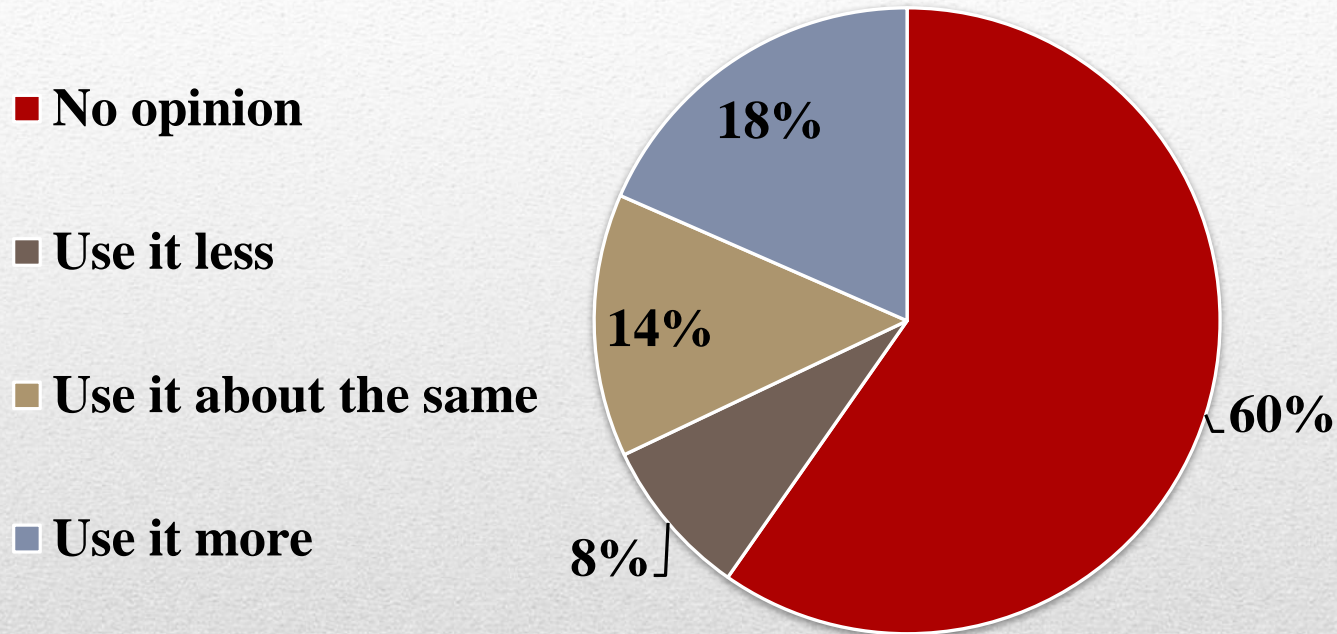- ■ **Use it about the same**

- ■ **Use it more**

18%

20%

55%

7%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less…or more?

Online Forums or Bulletin Boards

- **No opinion**
- **Use it less**
- **Use it about the same**
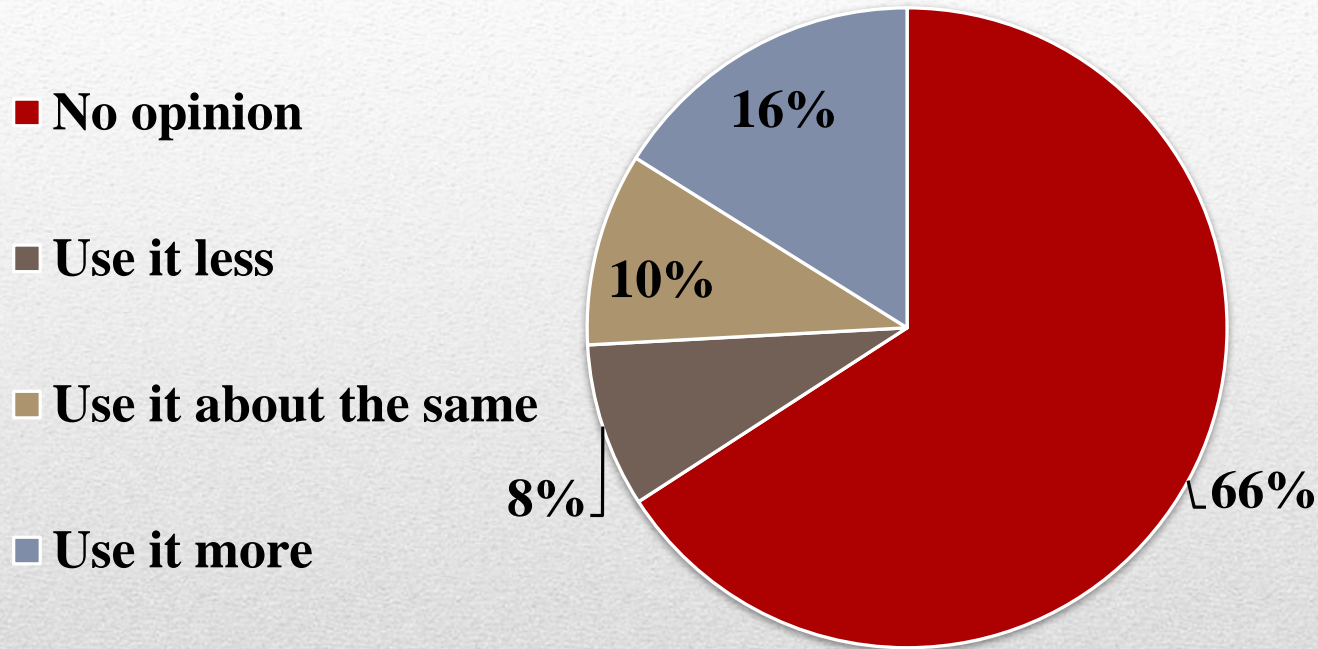- **Use it more**

24% **36%**

34% **6%**

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less…or more?

Podcasts and Webcasts

- **No opinion**
- **Use it less**
- **Use it about the same**
- **Use it more**

53%

21%

18%

8%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less...or more?

Web-based Music

- **No opinion**

- **Use it less**

- **Use it about the same**

- **Use it more**

18%

19%

55%

8%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less...or more?

Web-based Videos

- **No opinion**

- **Use it less**
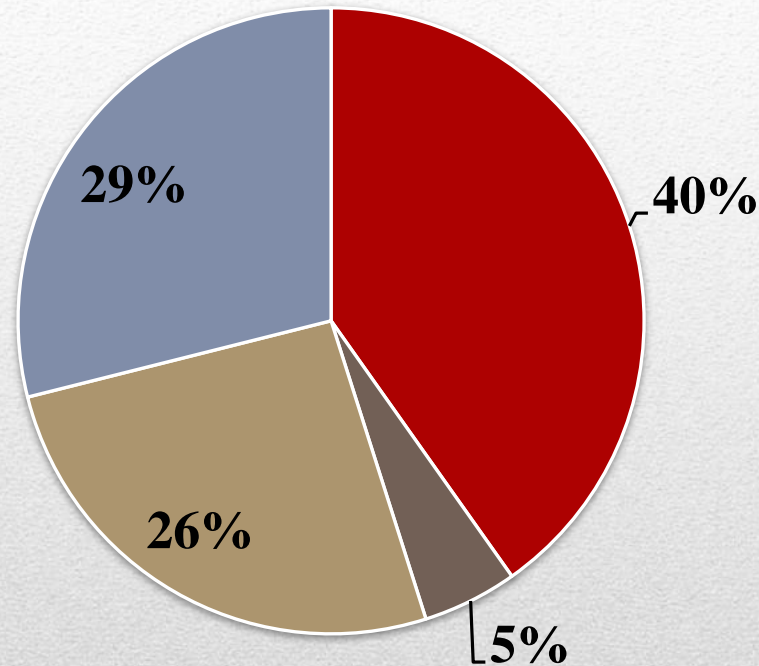
- **Use it about the same**

- **Use it more**

40%

29%

26%

5%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less...or more?

Video-sharing Websites (e.g., YouTube)
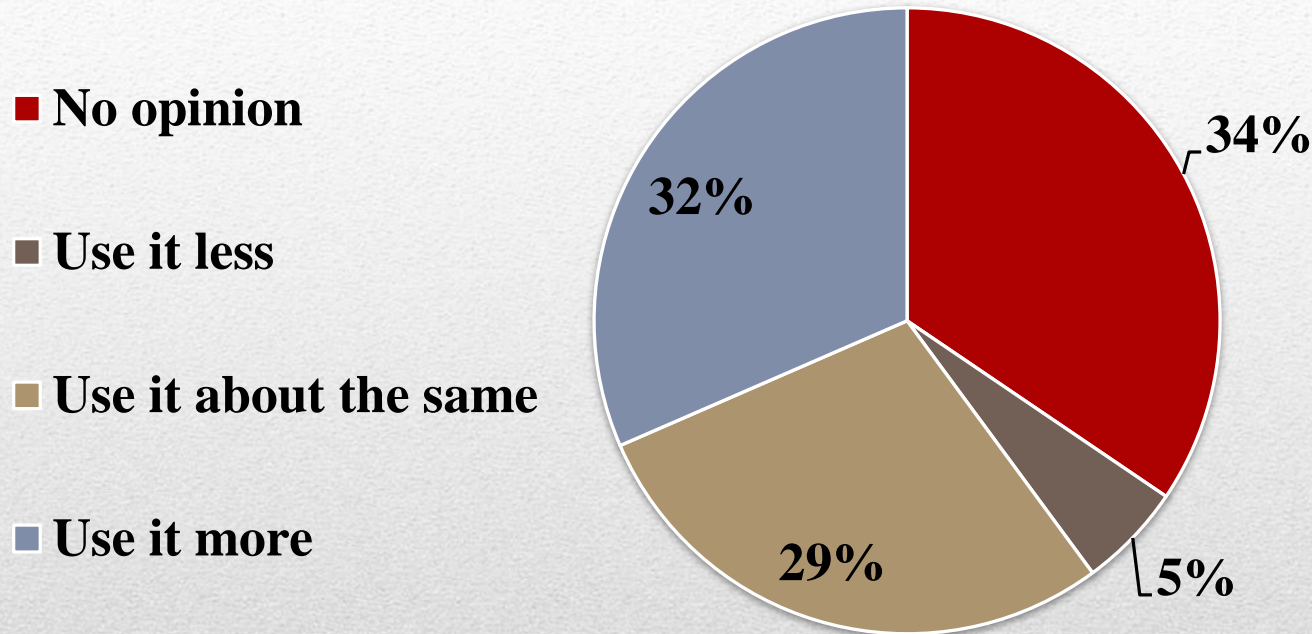
- **No opinion**

- **Use it less**

- **Use it about the same**

- **Use it more**

34%

32%

29%

5%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less…or more?

Photo-sharing Websites (e.g., Flickr)

- No opinion
- Use it less
- Use it about the same
- Use it more

18%

14%

60%

8%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less…or more?

Online Multi-user Computer Games

- **No opinion**

- **Use it less**

- **Use it about the same**

- **Use it more**

16%

10%

8%

66%

Different instructors use different technologies. Generally speaking, which _resources/tools_ do you wish your instructors used less...or more?

Simulations or Educational Games

- No opinion
- Use it less
- Use it about the same
- Use it more
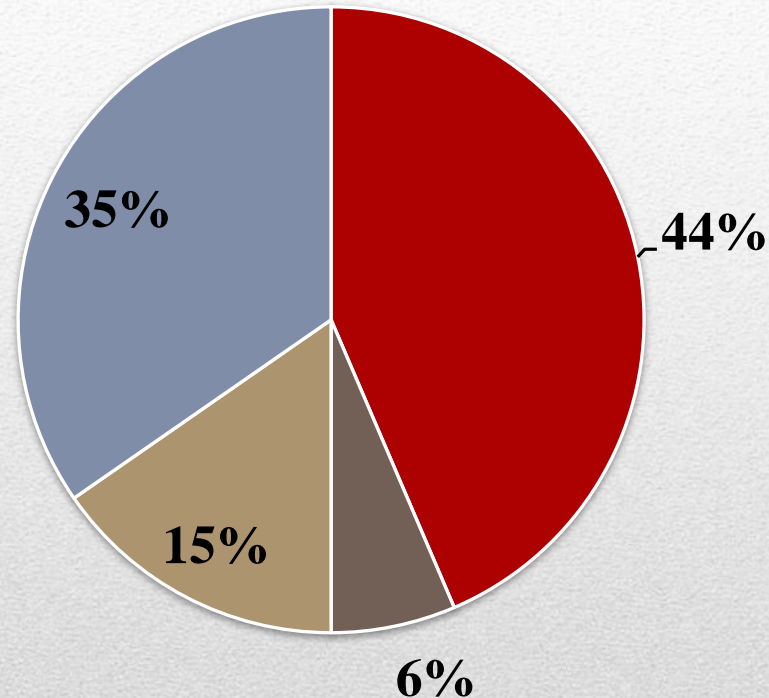
35%

44%

15%

6%

Different instructors use different technologies. Generally speaking, which *resources/tools* do you wish your instructors used less...or more?

LEARNING ENVIRONMENTS

Slides 61 To 81
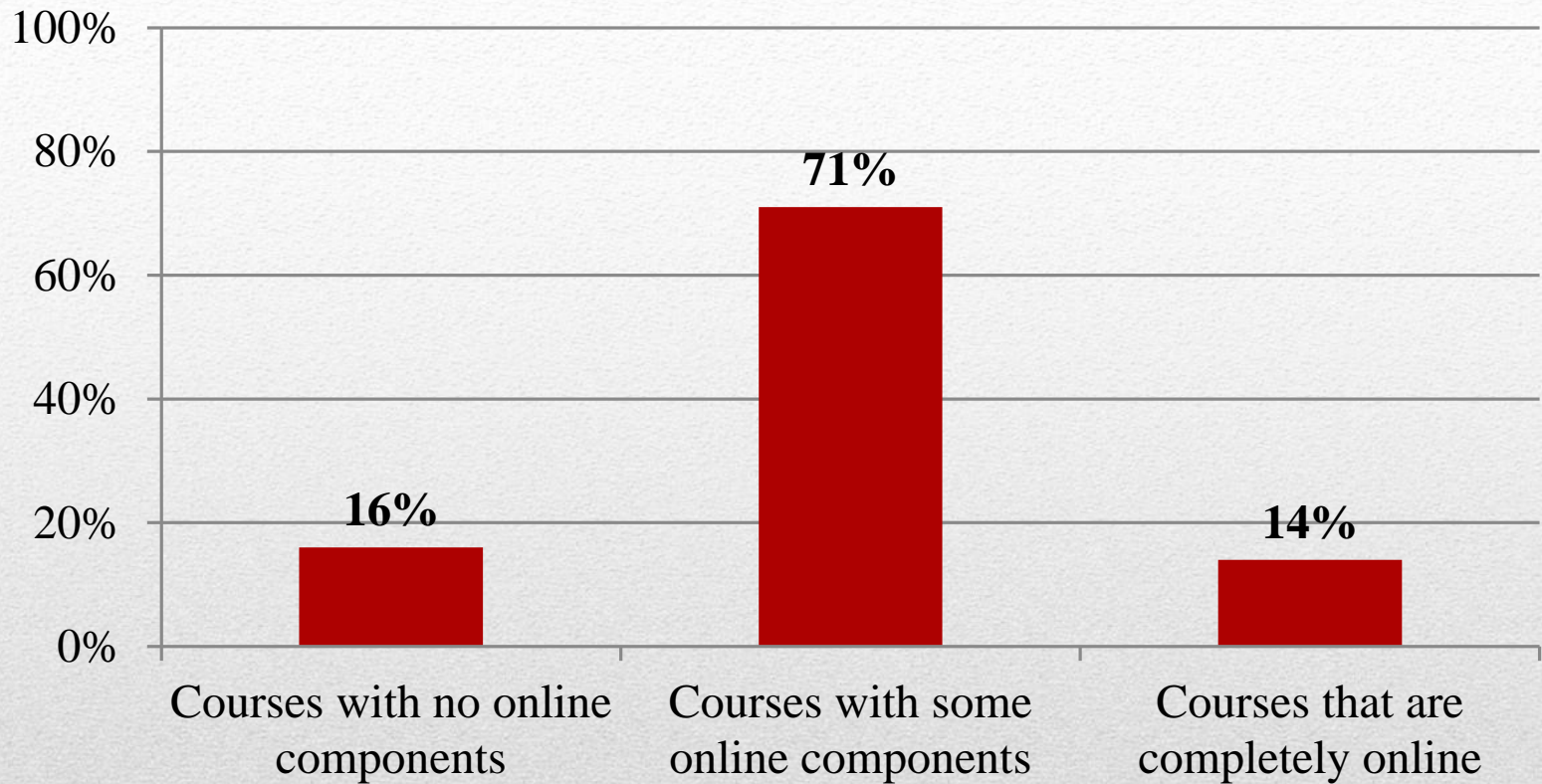
In what type of learning environment do you tend to learn most?
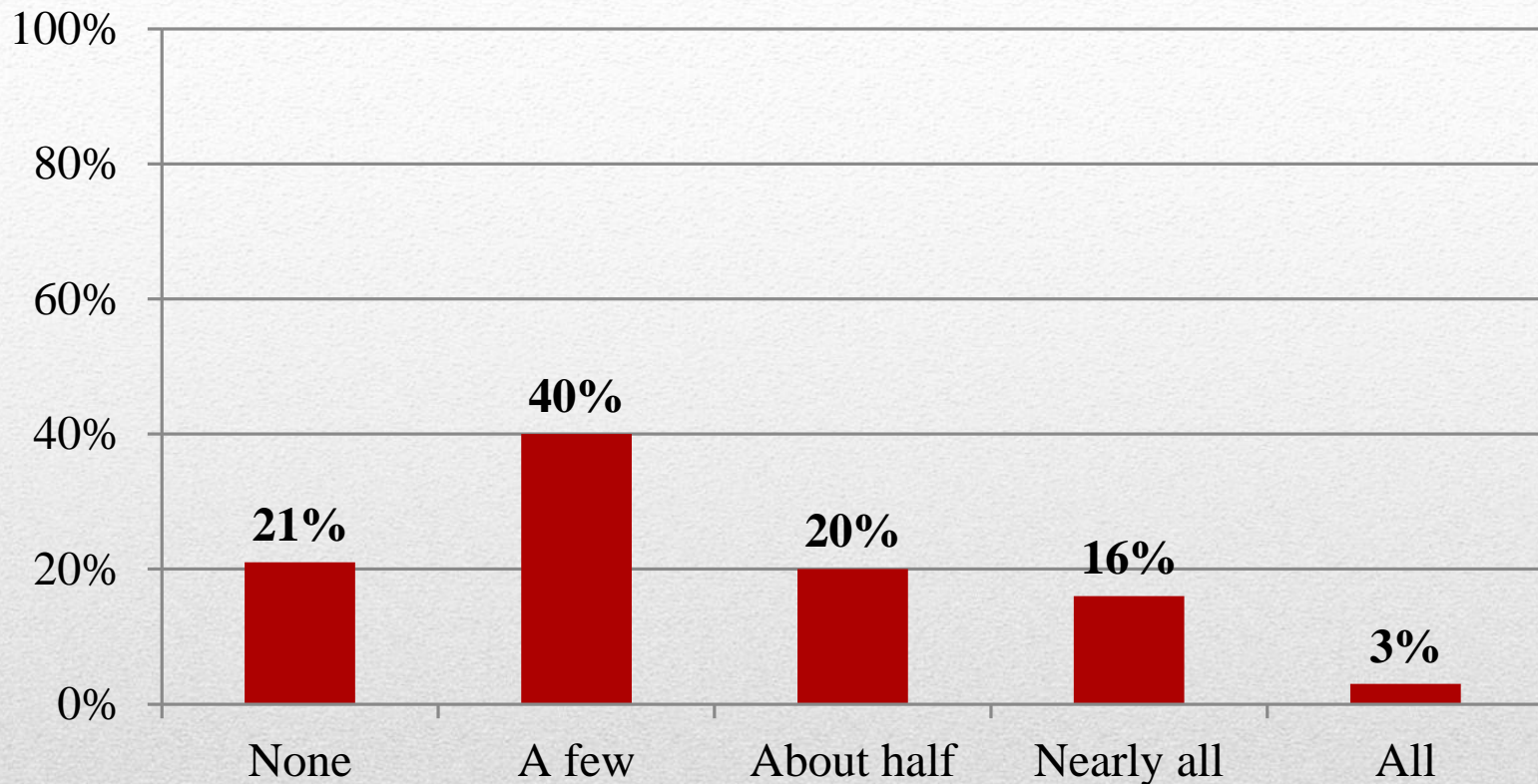
In the past year, how many of your courses have been "blended" courses (with some online components and some face-to-face components)?

How much do you agree with these statements about social networking in conjunction with your learning?
(slides 65 to 69)

I like to keep my academic life and my social life separate.
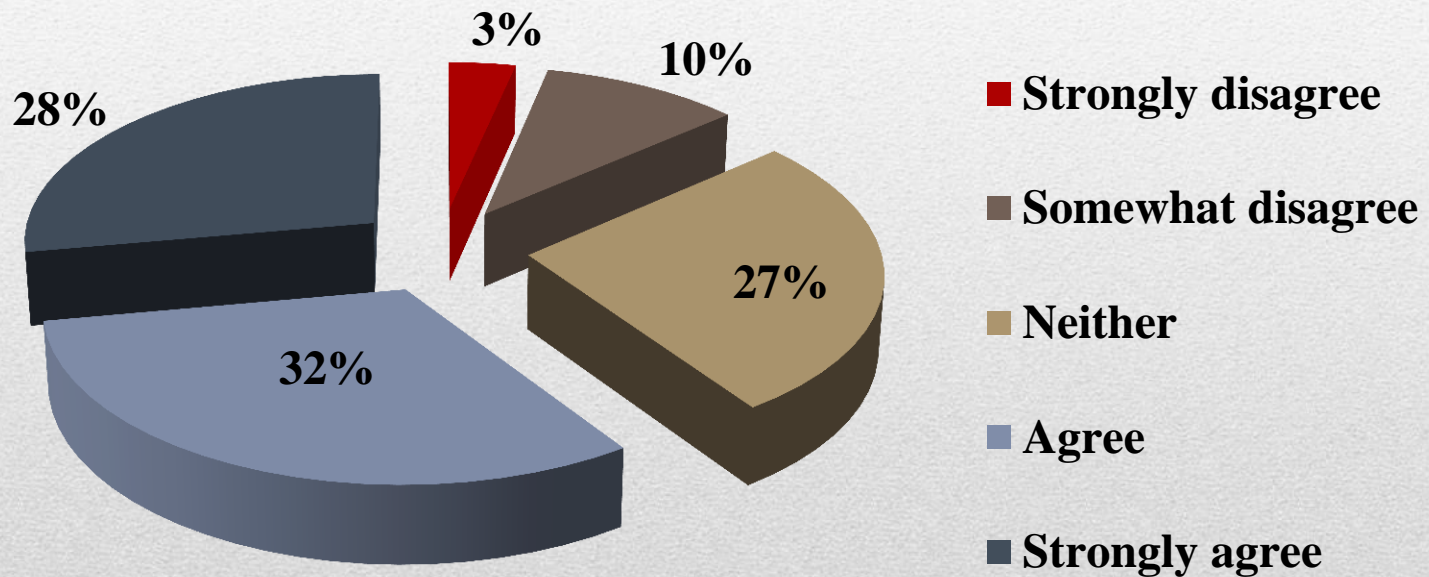
I am comfortable using Facebook or other social networking sites to communicate with other students about coursework.
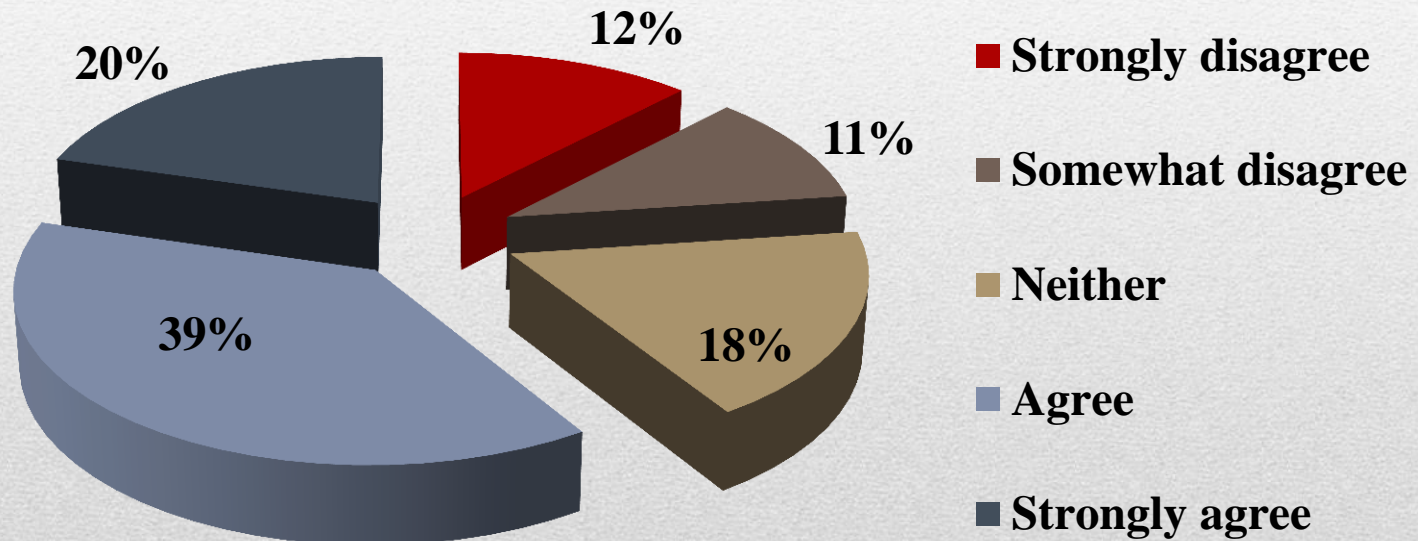
It's important to have an online forum to communicate and interact with other students about coursework outside the classroom.

- 🟥 **Strongly disagree**
- 🟫 **Somewhat disagree**
- 🟫 **Neither**
- 🟦 **Agree**
- ⬛ **Strongly agree**

21%

5%

5%

26%

43%
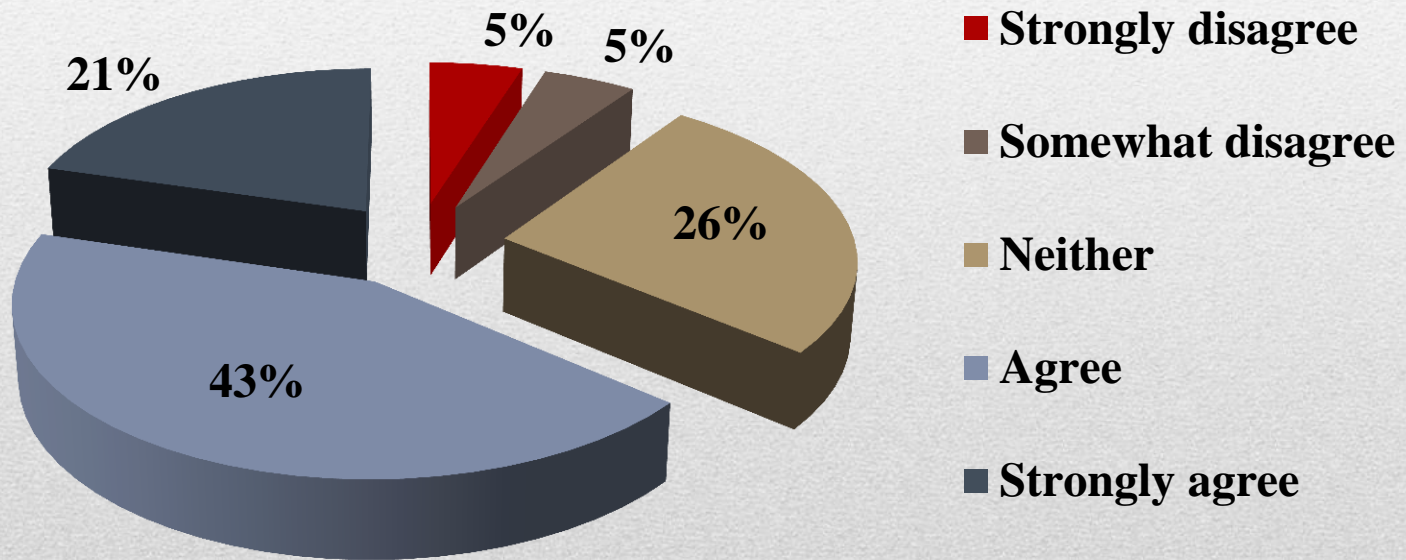
I am comfortable connecting on social networks with professors *from whom I'm currently taking classes.*
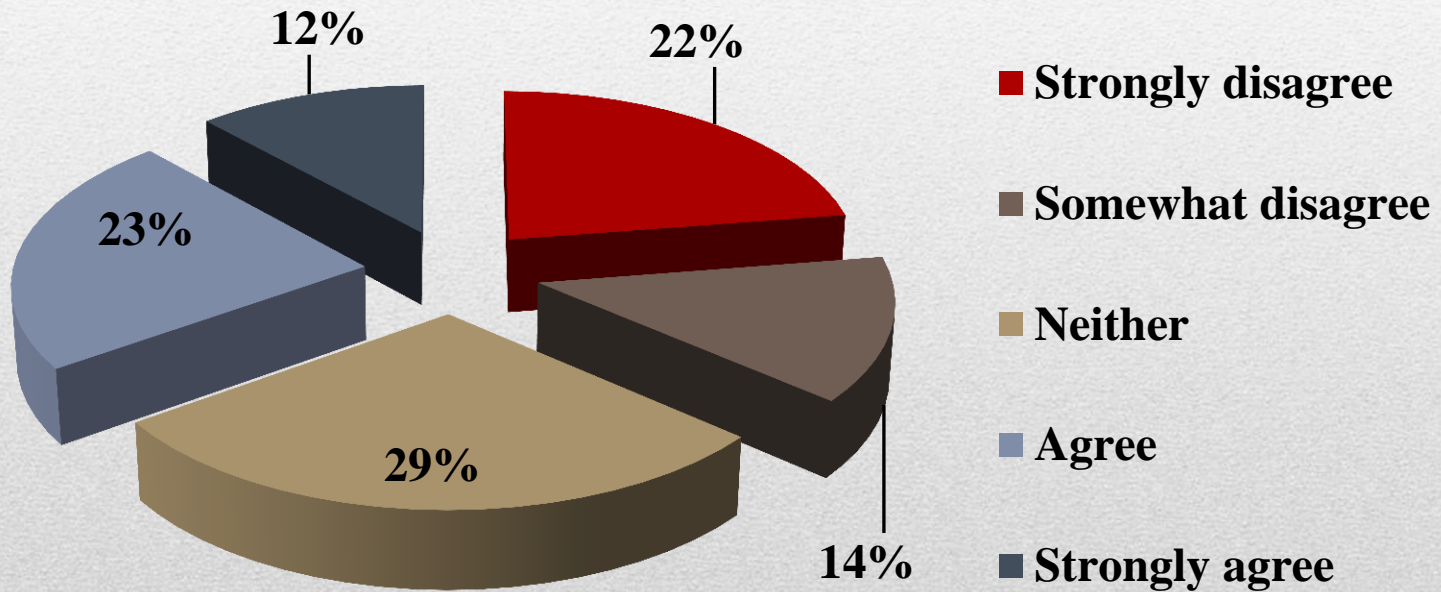
I am comfortable connecting on social networks with professors *from whom I am no longer taking classes.*

- 8%
- 19%
- 21%
- 40%
- 12%

- ■ Strongly disagree
- ■ Somewhat disagree
- ■ Neither
- ■ Agree
- ■ Strongly agree
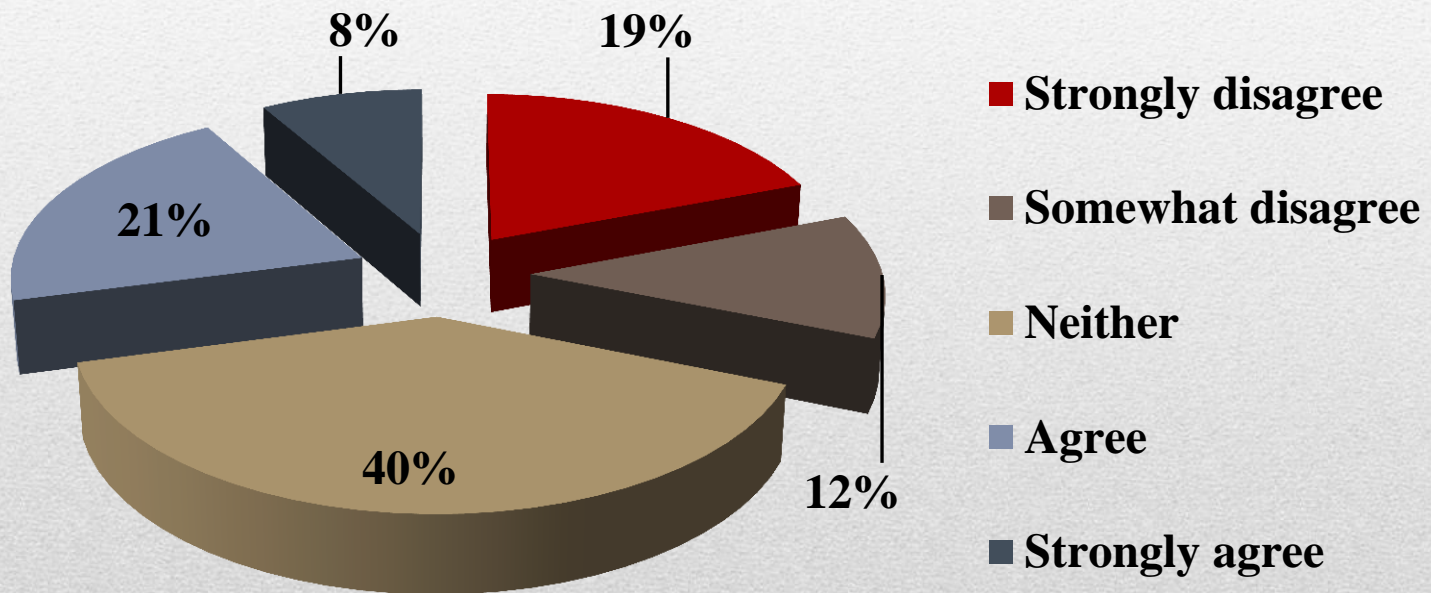
On the final few slides are several statements to which students were asked to agree or disagree.
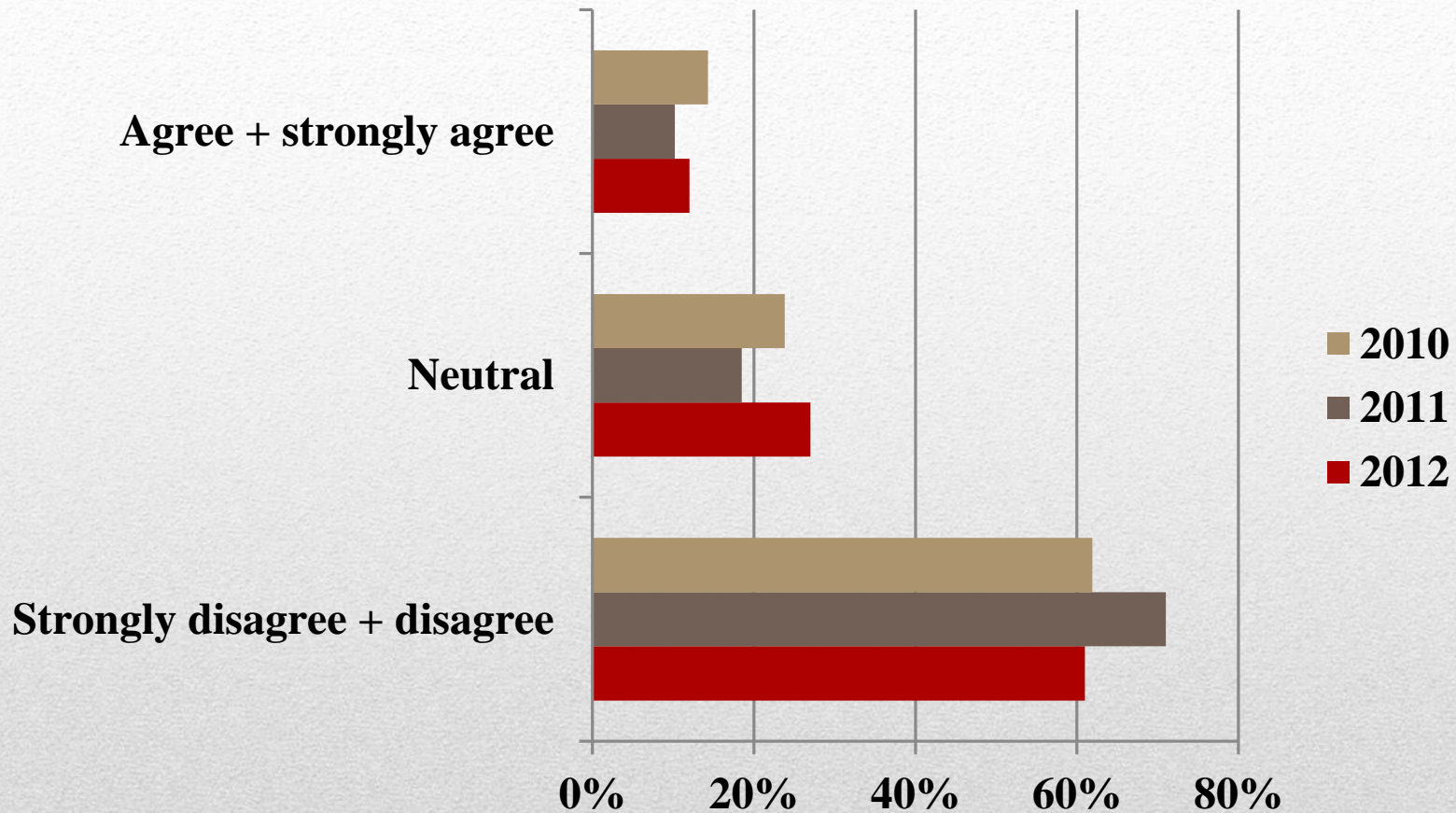
Comparison to previous years' data is made when possible.
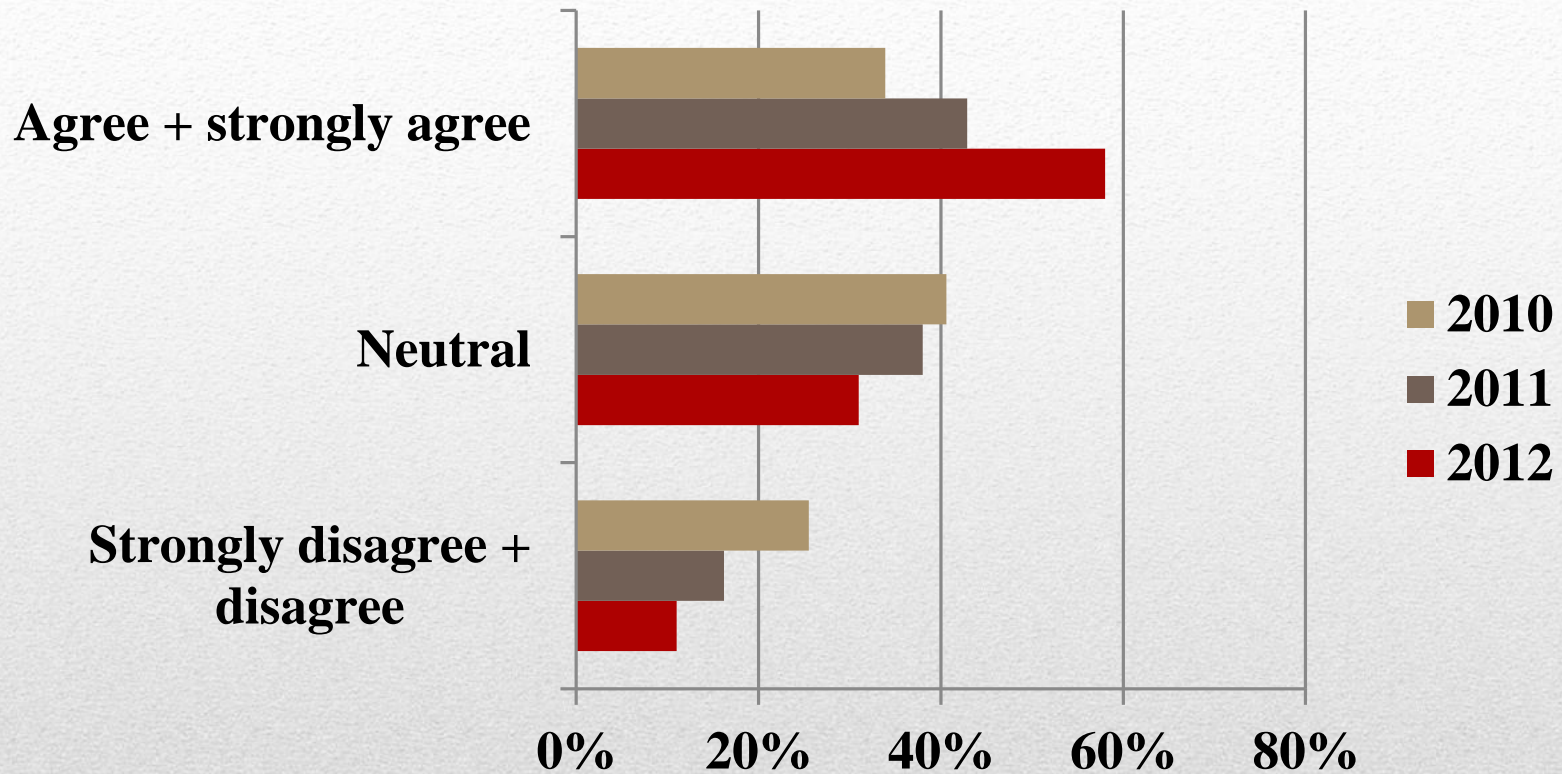
I get more actively involved in courses that use IT.
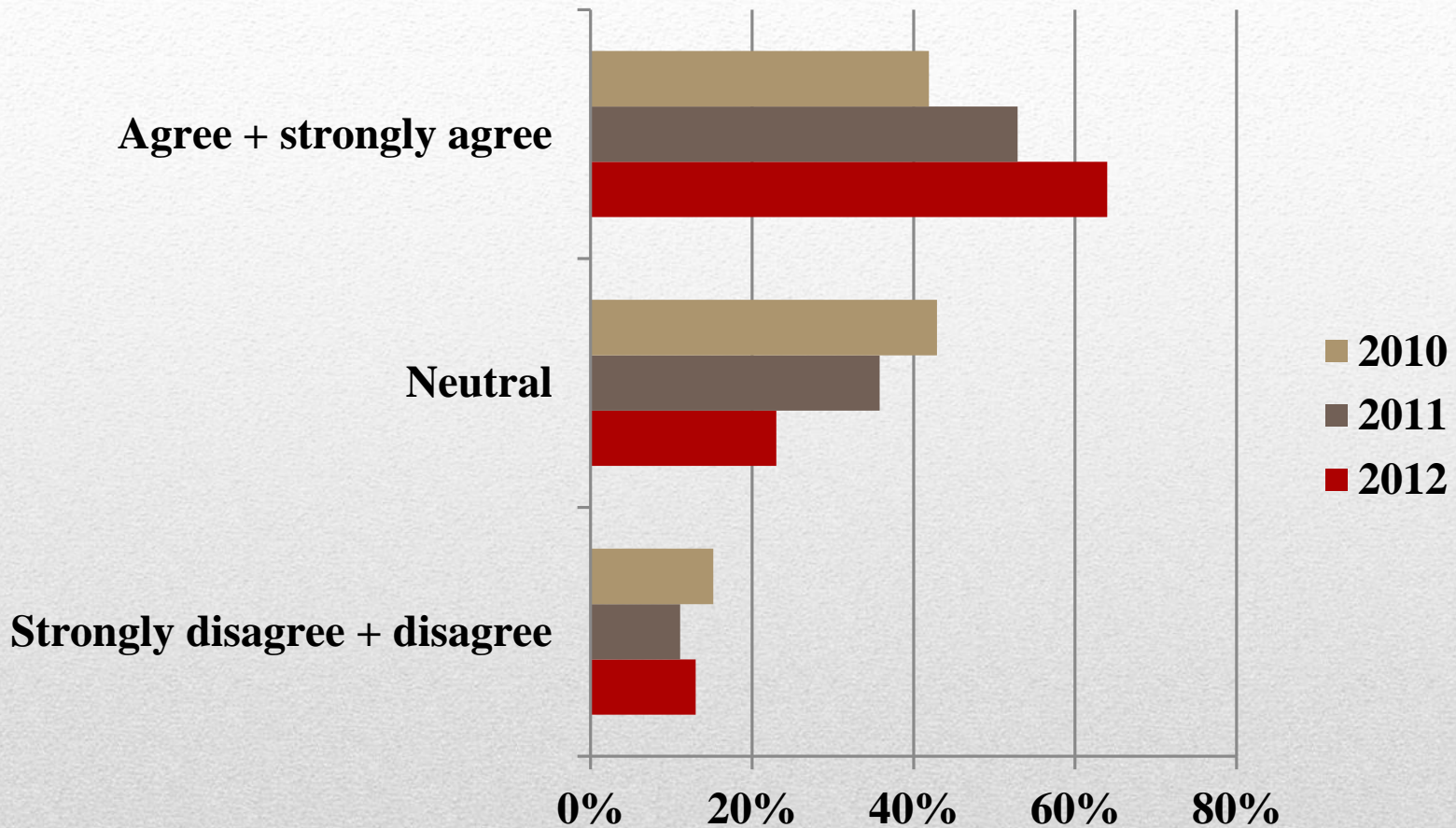
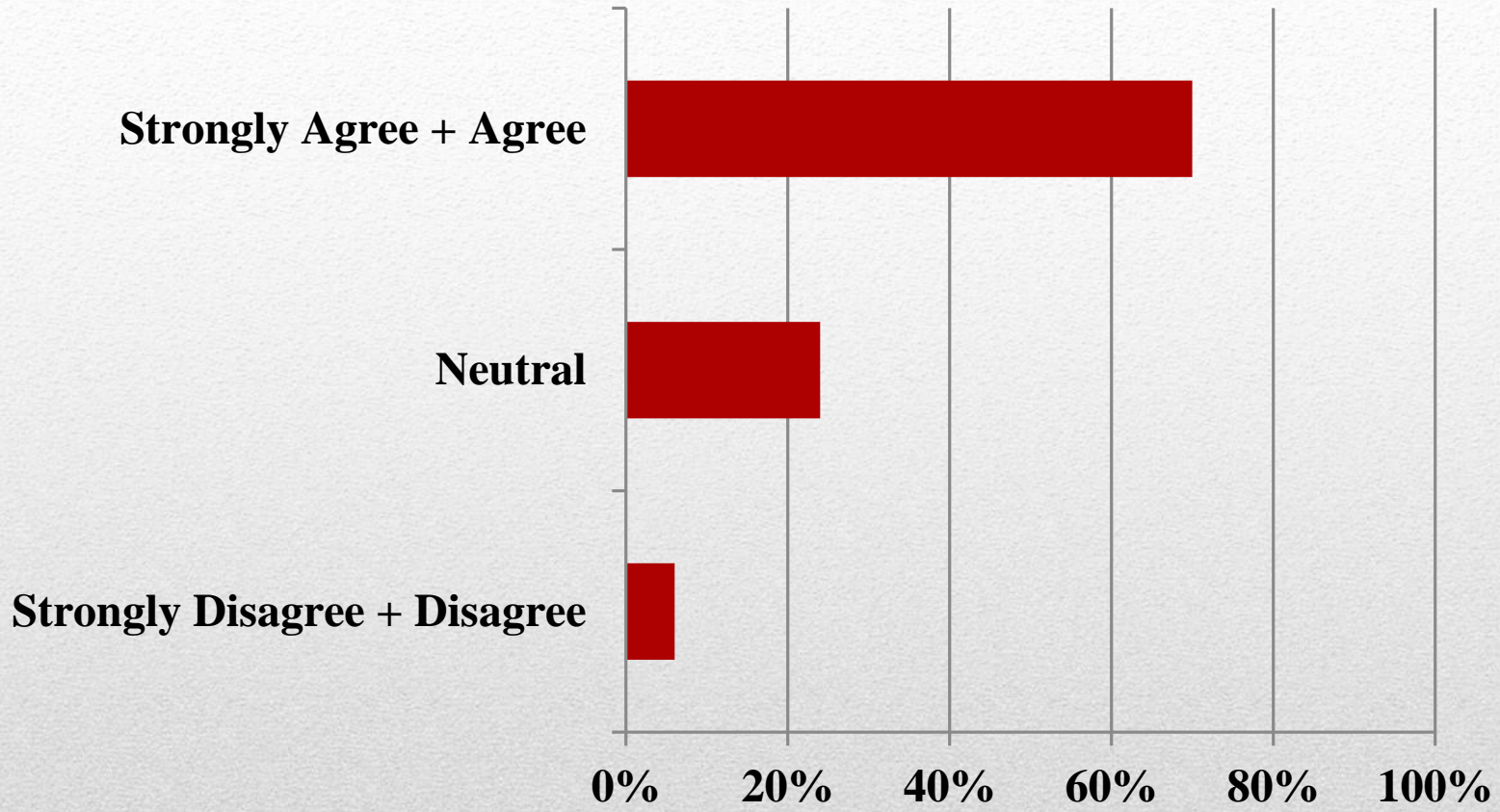By the time I graduate, the IT I have used in my courses will have adequately prepared me for the workplace.
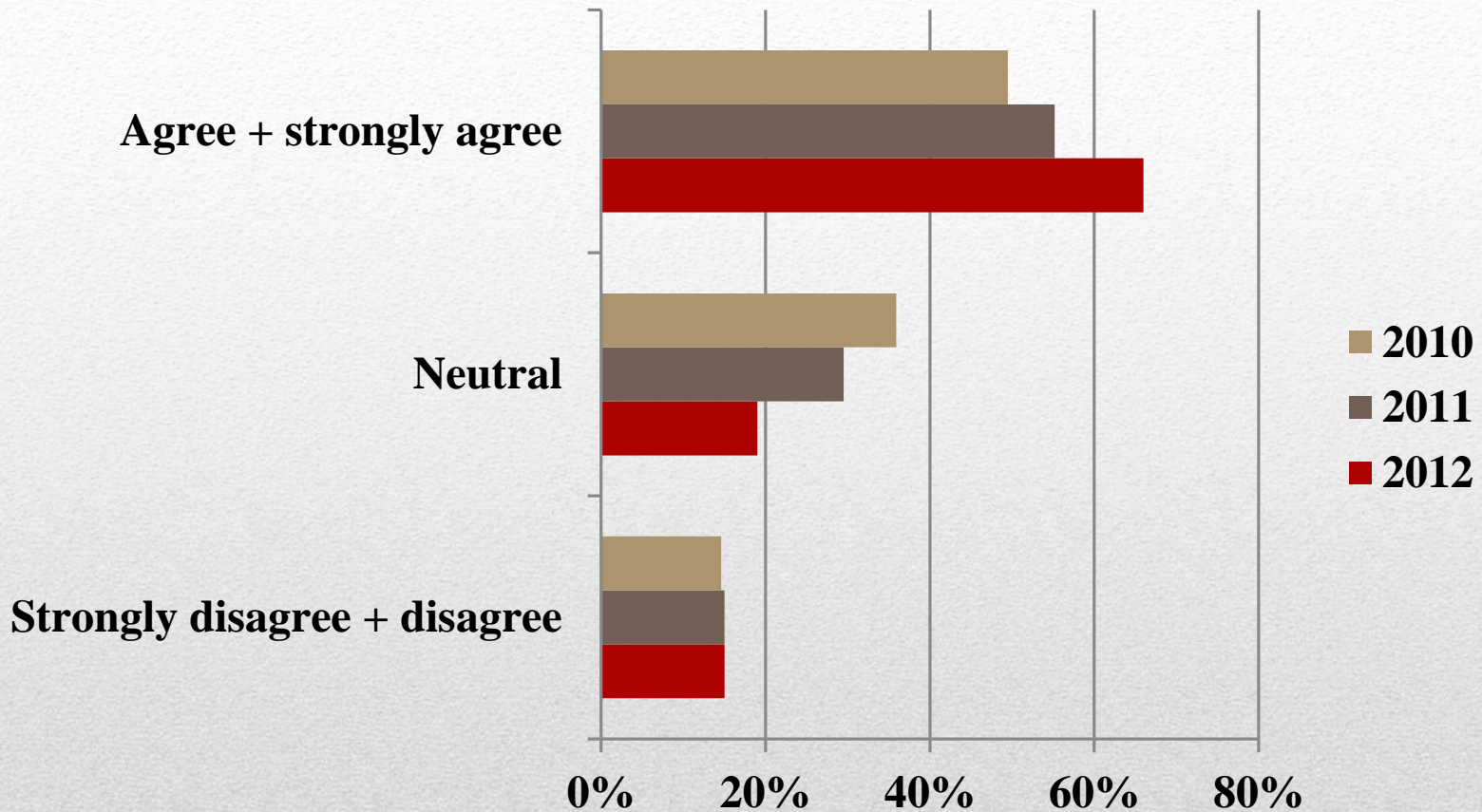
My institution's IT services are always available when I need them for my course work.
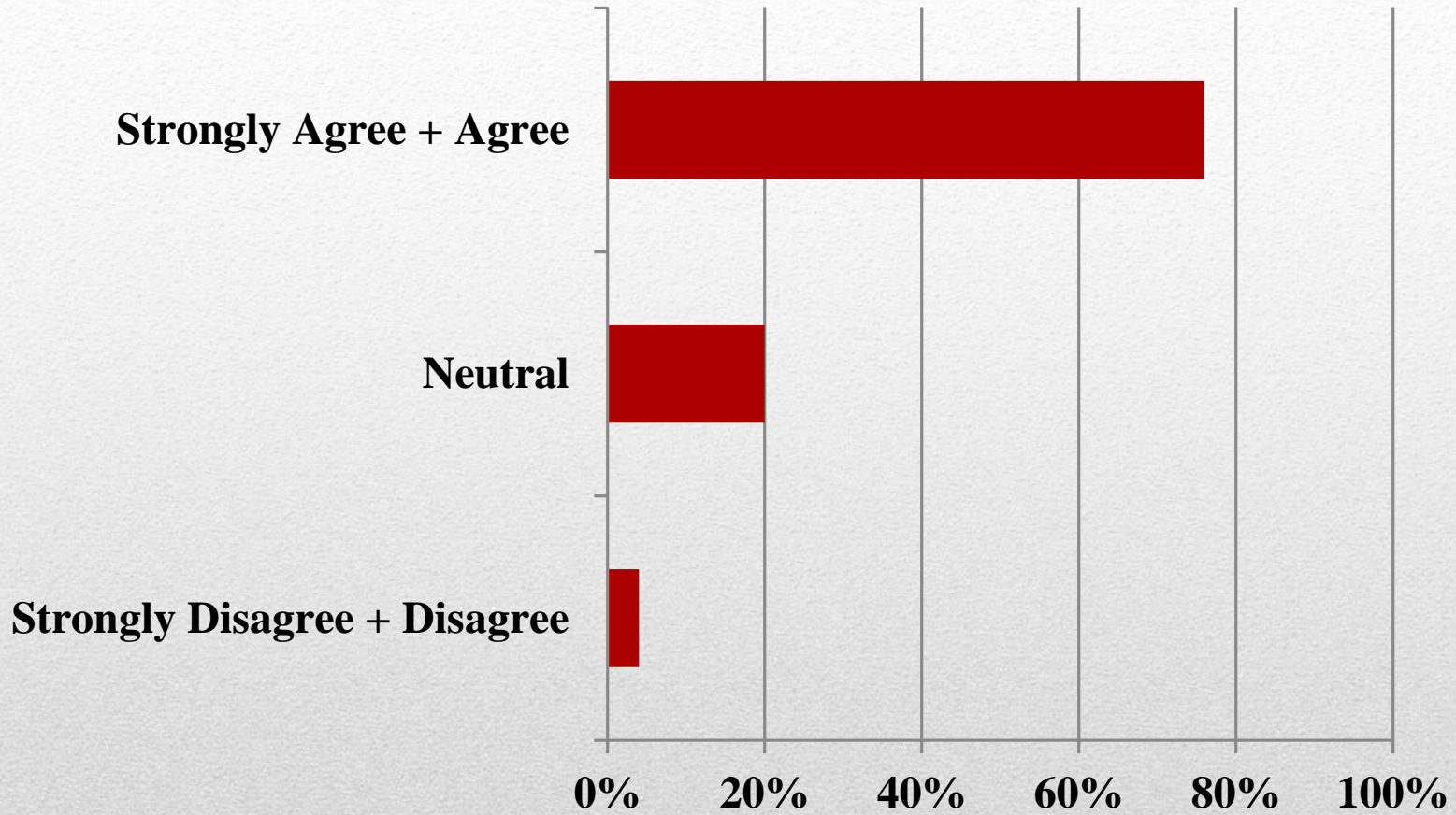
I skip classes when materials from course lectures are available online.
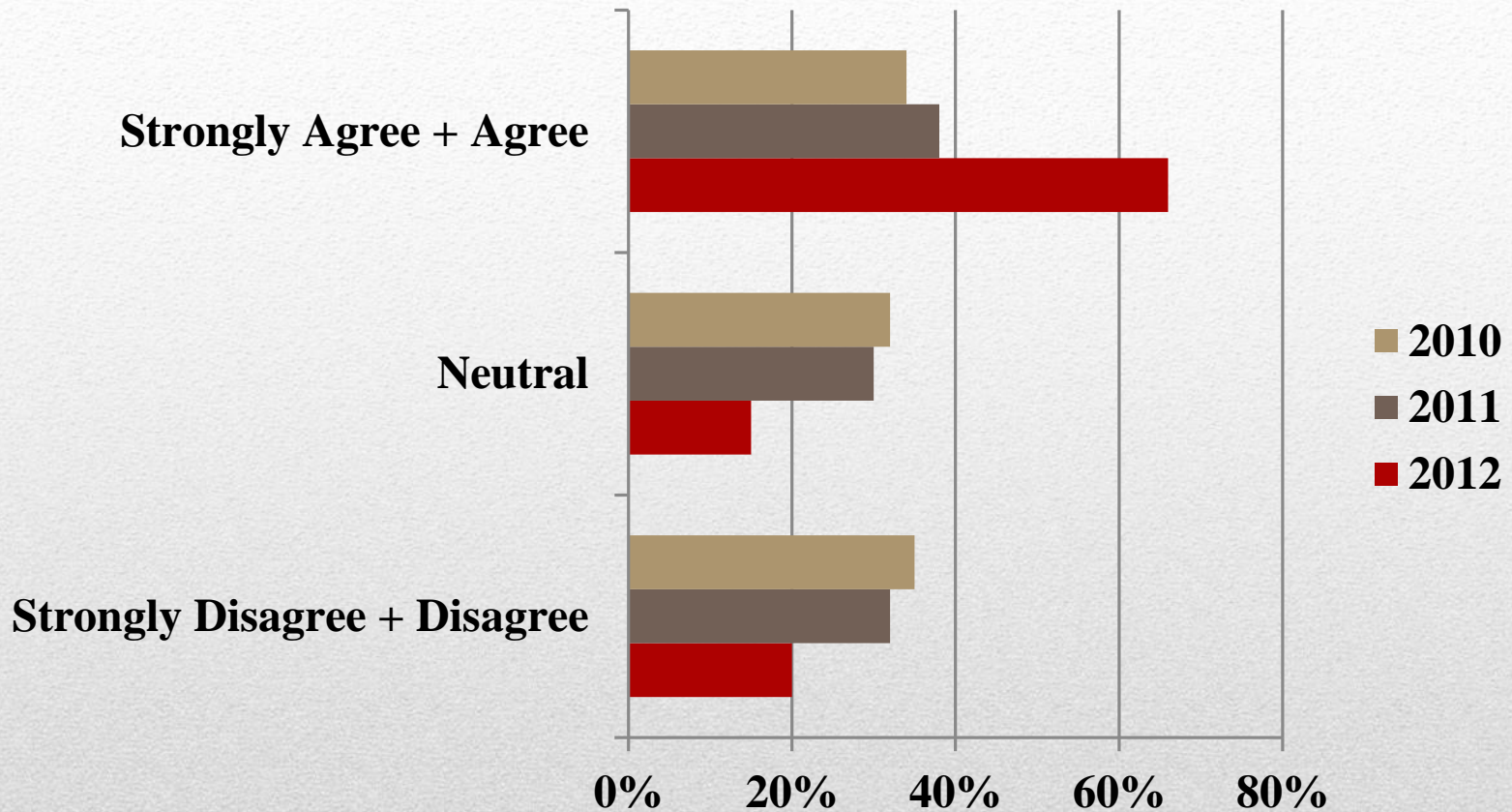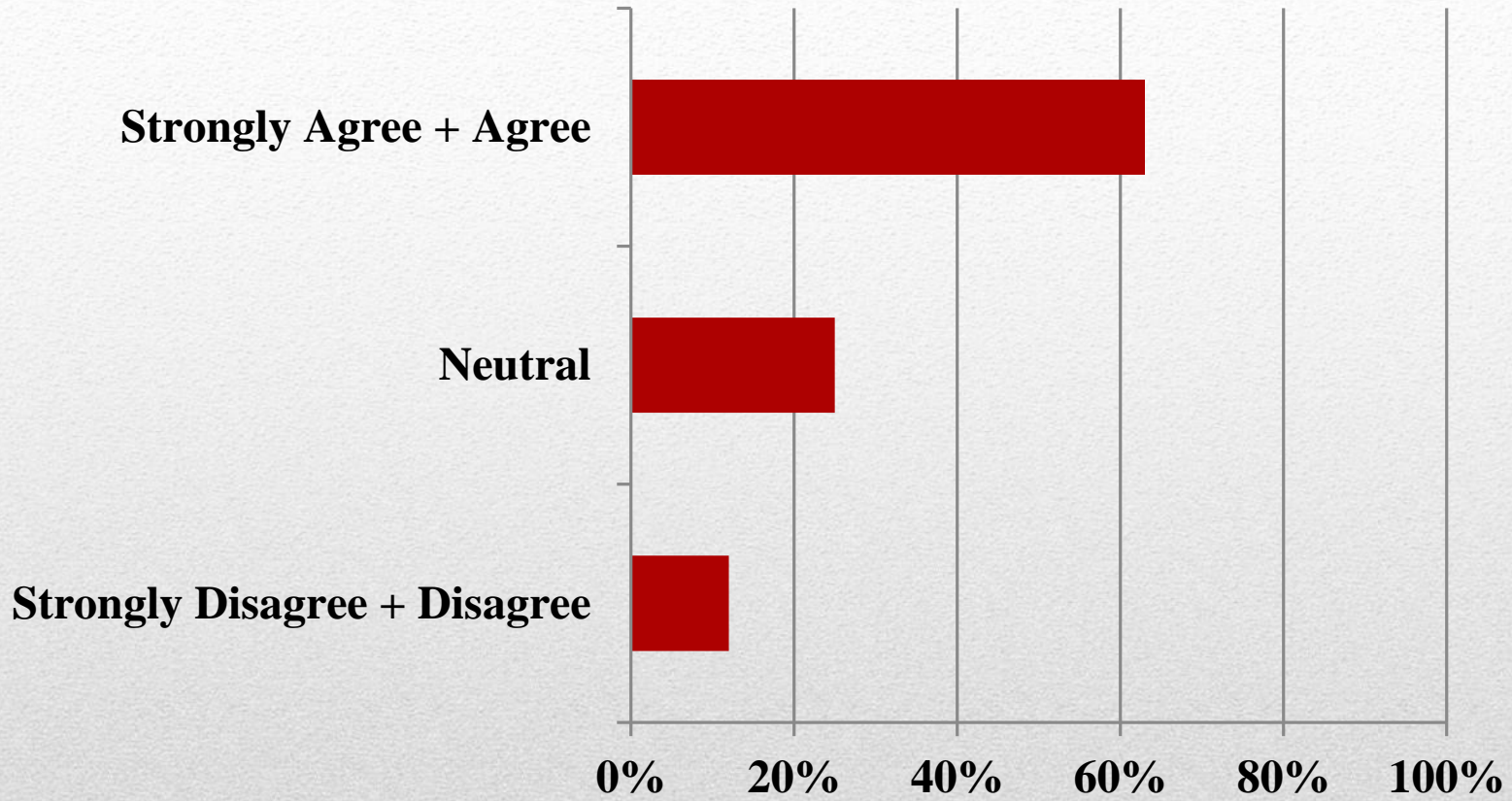
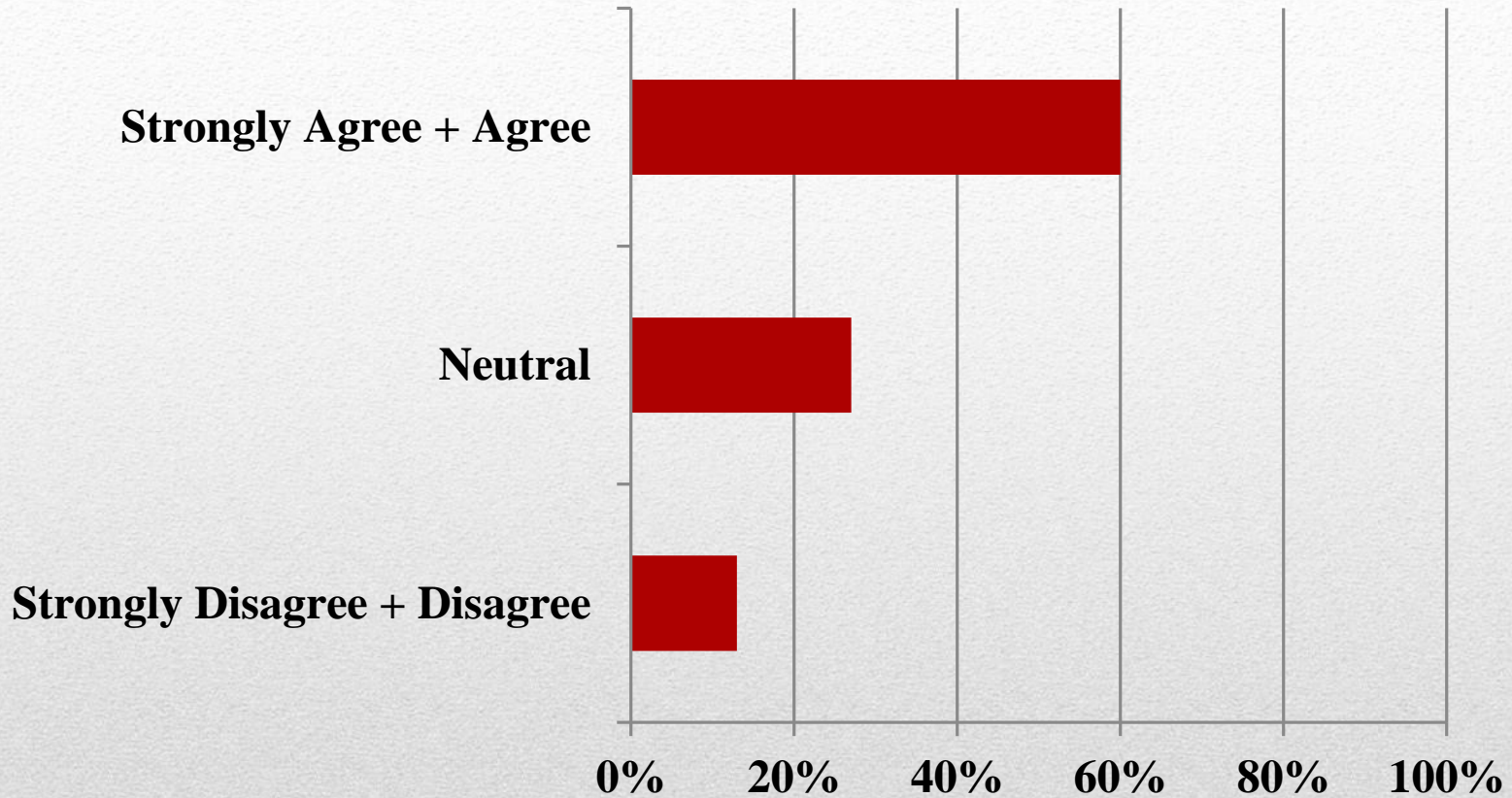When I entered college, I was adequately prepared to use IT as needed in courses.

Technology makes me feel more connected to what's going on at the college/university.
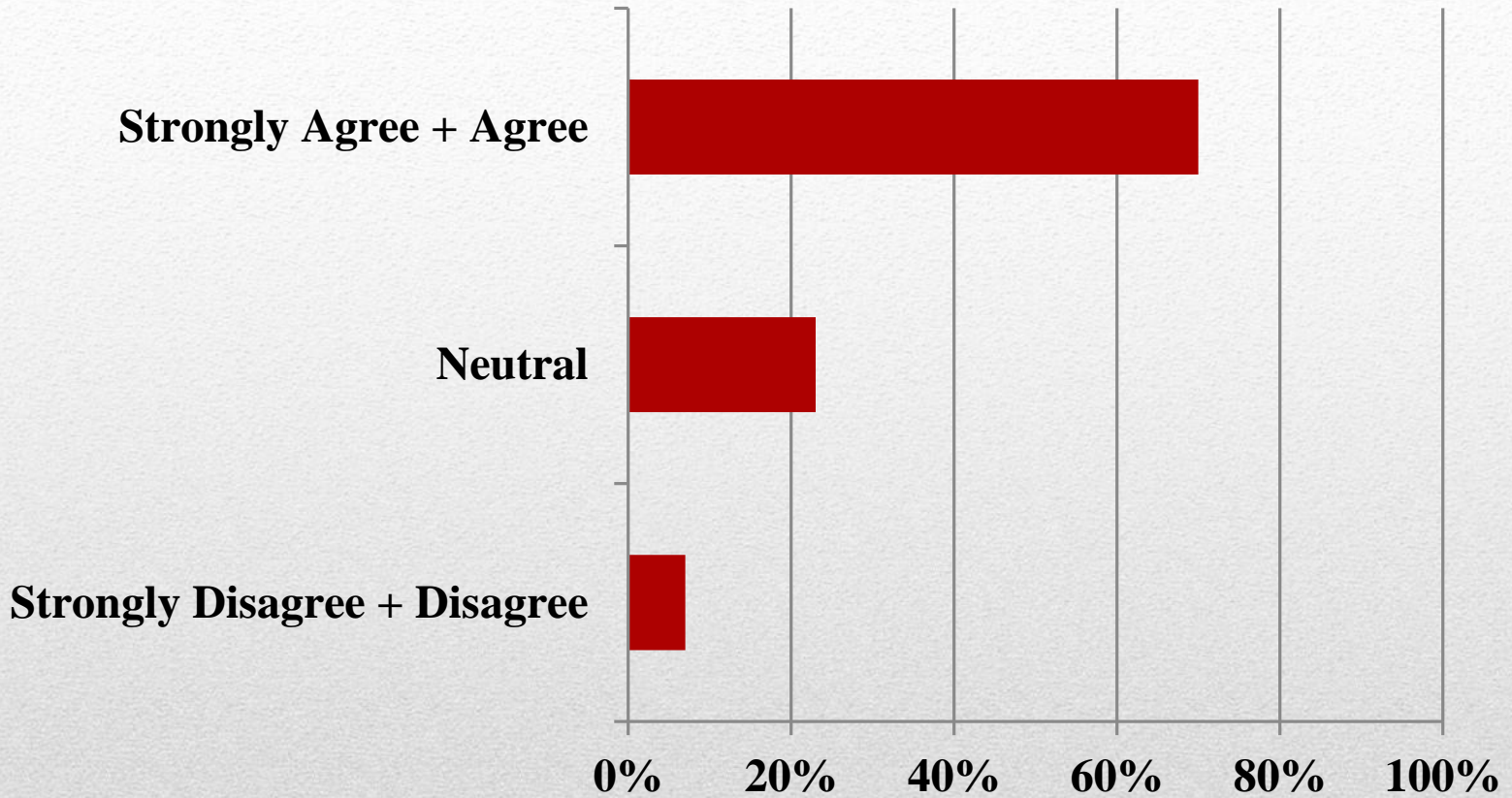
Technology better prepares me for future educational plans (e.g., getting into graduate school)
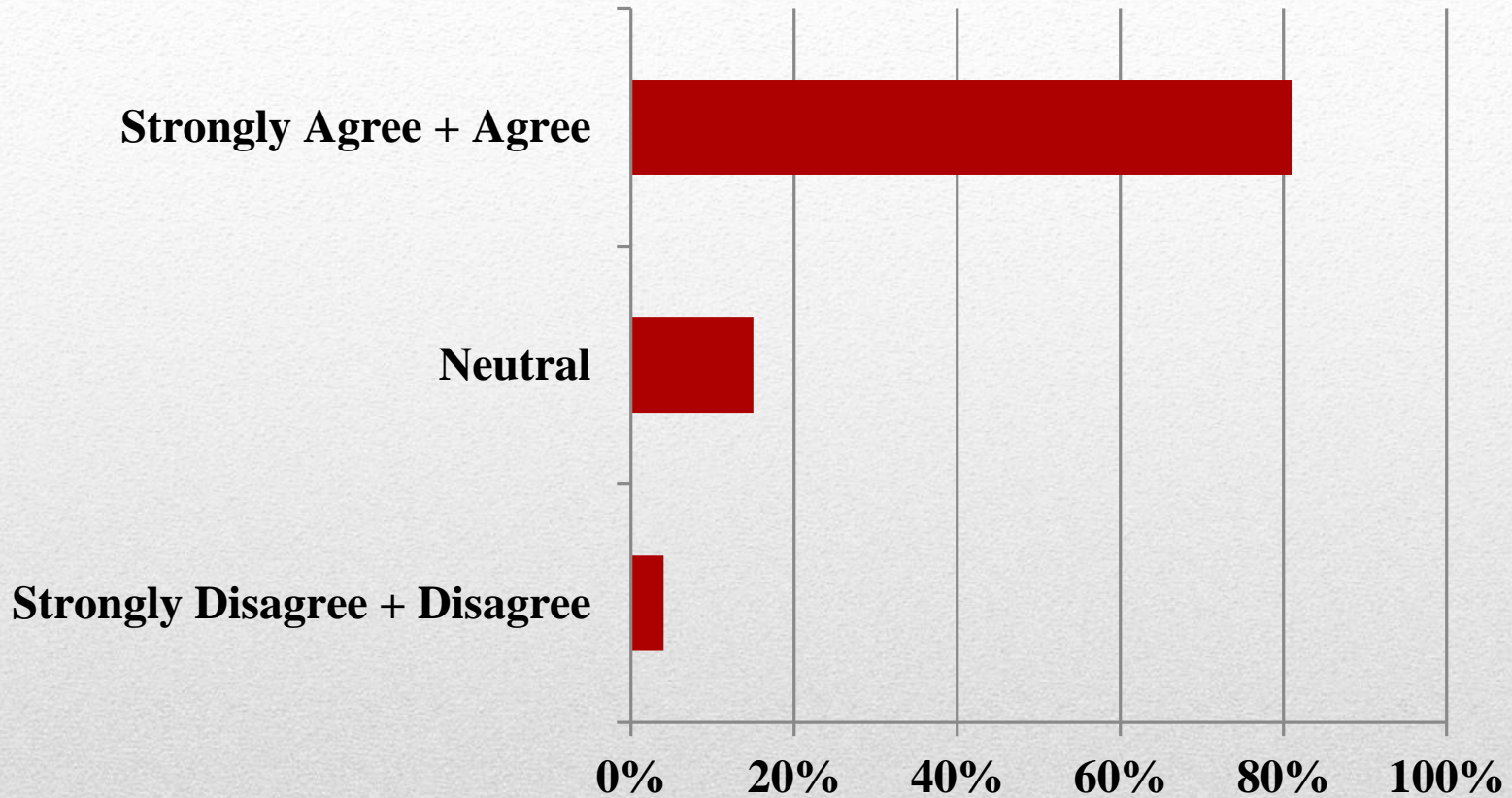
Technology makes me feel connected to other students.

Technology makes me feel connected to professors.

Technology elevates the level of teaching.

Technology helps me achieve my academic outcomes.

For questions regarding the ECAR 2012 study of students & technology at UNCP

Contact Dr. Beverly King, Office of Institutional Effectiveness, beverly.king@uncp.edu